[1852?]

Dear Sir

Dr. Parry, who has already instructed You about two bundles dried plants, collected by him and myself, was so kind to offer me also a little room in that box, which is proposed to be sent to You. Besides some few specimens, we gathered nearly one and the same collection. You will permit me to make here some remarks about those, which I have inclosed.

The whole Texian Flora is

more or less new and strange to
me, therefore I was less scrupulous
in taking for my purposes.
Some glances of your well exer-
cised experienced eyes are, I am
sure, sufficient to separate the
worthy from the unworthy.
My interests to gather plants
are only of a private nature
to augment my herbary and if
I should be enabled to serve one
or the other of my botanical
friends. Nevertheless would I
feel very happy, if You find
something among my plants
which were of any interest for
the purposes of the party, of
which I am also a member.

I kept for myself of the most
part of these plants duplicates

therefore you freely can use
them as working - specimens.
With Dr Parry, whom I very much
regard, ~~[illegible]~~ established I a kind of
a silent scientific exchange and
therefore I shall get by him again
what perhaps by your studies
should be spoiled for a herbary.
About my situation at this party
I can not tell much. The whole conditions of the comission in regard
of the approbriation, the money,
this „nervus rerum" and about the
deliverance in our Major's hands
are not yet settled. Until now
were topographie, natural history
and sketching assigned to me and
I hope, that my chef is satisfied
with my work. What now farther
is to be done and in what employment I shall enter is dark before my eyes and perhaps in this

very moment even before the Majors eyes thus dark. —

You will find my plants by far not so nicely collected, dried and arranged then those of my hand, but I hope, you will this circumstance not count to a certain ~~my~~ laziness, but only to my want of leisure and opportunity.

My topographie too kept me always behind the train, the last one of the marching party. Dr Parry rode his Mrs Smith (the name of his mule-mare) always a head and I am about to suppose, that she too ~~gott~~ got some scientific acquaintances among the vegetable kingdom, yes I am sure, that she was particularly fond of grasses, especially the celebrated Gamma-grass.

With my best respect

truly your devoted friend

Arthur Schott

Please to communicate to my young friend Herby the best greetings with my love.

Georgetown D. C. Octob. 4.
1869

Dr. John Torrey, New York.

Dear Sir

To day I despatch through Adams & Co's Express some Landscape photographs being copies of original drawings of mine. They are made expressly for distribution among my friends, who I think will have some interest in them. Special friends as I consider Yourself and Your esteemable daughters I should have preferred to furnish with some of my own hand drawings in order to present them as true tokens of kindness, but utter lack of time make such an endeavour entirely out of question and so I feel compelled to assist my good will by one of the glorious results of chemical science. It would have been proper to make the selection of those plates, as I intented for each respective receiver but find this would be rather a difficult task and prefer therefore that You should Yourself take Your own choice in taking two of the lot and let Your daughters divide the rest each accepting two, if they shall condescent to do so. Besides the general object each of the plates represents, I claim that the treatment of the scenic outfit is more characteristic and more according to reality as in most representations of this kind especially those with which the public are at present entertained by our numerous pictorial periodicals.

At despatching my little friendly missive I take occasion to assure You and all of You of Mrs. S. and my own kindest sentiments with the anticipation that these lines may find You all in best health and spirits. Even my little ones and particularly the two girls often take occasion to remember You most kindly in wearing the two state dresses, which You, I fear too liberally, sent them last spring and now form almost objects of envy on the part of their schoolmates. Mrs S. enjoins me to send her love and best regards to You as well as the ladies. Adding kindest sentiments of my own I remain as heretofore Your old friend

Arthur Schott

Washington D. C. April 17th 853.

My dear Doctor

Yesterday the box and bundle came rightly into my hands. I beg your pardon, if I caused You some troubles to send them on. I know how busy You must have been last time, whilst moving to St. Marcsplace. Having stopped in Princeton to be some hours in company with Miss Eliza I could spare thus much time vary easy to procure both those coll's at the university, if we only had made the proper arrangements before.

In these days I separated some

Dr. John Torrey, Newyork.

few specimens Algae, collected on the Texan coast, to forward them to you for examination. If I shall have the opportunity to see You in Newyork before starting for Texas, I shall bring them myself, if not You may have them by another way.

Please do not trouble Yourself about writing to me, I know too well how limited Your time is and I think friends towards friends shall not keep up too anxious letteraccounts. Besides my time here, will be very short also, as in some few days we shall be off.

If Dr. Perry is in N.Y. please to communicate to him with my friendly regards the remark, that it may be time now, to hiss up. I received some days ago my reappointment and expect to get to morrow my orders and instructions and then „Good bye Washington.

As far as I understand intends Maj: Emory to start from NY; then You shall have opportunity to hear himself explaining late & recent Commissions ~~aff~~ affaires, which are very badly cut down and at least for the moment by no means encouraging.

Our new Commissioner however seems to be a gentleman and is got something resolute in his features, I expect we can do pretty well with him.

I write also to Dr. Parry, Sandy Hill to give him short notice

Please to take the sincere regards for Yourself my dear Sir and also for all Yours

from Your devoted friend
Arthur Schott

Campe at the Laguna 20 miles below
the junction of Gila & Colorado.
10. 18. 1855.

My dearest Sir

You ought to hear from me a long time before this and in fact it is several weeks since I intended to direct some lines to You. I had prepared for this purpose a sort of an enummeration of all the orders of plants, which until now are represented in my collections by some member or the other. There occurred however an overflow in this ~~b~~ bottom, originating by a sudden unforeseen rising of the Gila. This caused a considerable interruption of our official labors, especially in regard to the astronomical proceedings for the observatory on the banks of the Colorado was at the time to be broken up. Though this intermezzo lasted only some few days the delay in its consequence could not be omitted on account of the lagoons and old riverbeds being all full with water, thus intersecting all the communication with the

Dr. John Torrey, Newyork.

point on the river. Finally after the pathways through the thickets of the bottom had been reestablished the monstrous spectre of the goneby flood made its appearance in the shape of the terrible plague of Mosquitos. Since that time swarms, clouds of these atrocious „natives" of the soil are almost day and night in activity to show that this section of land belongs to the animal kingdom and that man has to guard, where the ruler ~~of~~ in Gods creation shall set his foot. No rest no leisure to write or to do any thing, because even when there are some quiet moments, the mind like the body feels likewise harrassed and depressed and nothing can be done, as to wait more or less patiently and to fight these terrible myrmidones of the air. Few days since some cool nights and windy days diminished them somewhat and thus we are able to resume our neceſsary doings.

Two weeks ago a Mexican party of Engineers has arrived to work on the same line, as to combine finally ~~both~~ the work of both parties. Whilst I am writing this now all the work neceſsary is pretty much finished and thus, I hope, we are able

-to leave this forsaken Mosquito kingdom, in the vicinity of which I believe to have got every thing in the line of plants, which is to be had here. The above mentioned enummeration You will find here enclosed. I send it to You, that You may be able to form some idea, to what shape finally my collection shall grow after our leaving these desolate regions. By our new arrivals I expect to improve my knowledge a little respecting the spanish language and also by gathering many and different notes and remarks about indigenous plants. The Captain of the Mexican escorte a son of Sonora and an expert traveller through all these countries promised to furnish me with such this much as it may be in his power. Thus I shall finally be able to add to my notes formerly written a considerable number of others.

Our chief has plenty of hands to assist him in the actual Surbey and thus he assigns to me almost exclusively the business of collecting for the sake of Natural History Geology and Botany, for which I am by no means sorry. Besides this mapping and drawing remains with me and thus

TORREY CLUB LIBRARY COLUMBIA UNIVERSITY

You will easily understand, that I have always plenty to do. – The running of the line from the Initialpoint here South East through the Colorado deserts and the desolate mountainous regions of Western-Sonora will offer many difficulties and privations of various description, but I hope that we all shall come through safe and sound. There is not much water on the road between Fort Yumah and those settlements in the State of Sonora and on those few waterplaces, occurring there have been living a great many travellers and emigrants this season. Hardships however are looking different, when actually faced and this I consolate myself.

As in regard to ores (Gold and Silver), I am informed that these northern regions of the State of Sonora are abounding in and that they may be considered far superior to the mining districts of California. The great drawback with them however is their being entirely deprived of the blessings of water. This, so they say, is the only cause of their being neglected. I am afraid this is an obstacle insurpassable even for the keenest Yankee speculations. Thus far as I understand there is one great advantage connected with the oreregions of Sonora compared to those of California and that is the metalliferous strata abound in regular veins easier understood and worked at by science and intelligence, then the seducing unreliable "placers" of California. Perhaps coming to the spot I shall be able to verify or modify all these sayings, which seem though to contain much truth.

Since I am away from home I received only one letter from Mrs Schott, the first one she wrote after my departure. The directing Ft Yumah, Newmexico instead of California explains the failure of all the others. Thus I expect to find a whole bushel of old letters either in El Paso or on the road to ~~th~~ that place. By receiving no letters [illegible] is holding me in utter ignorance about all my friends and also of my own affaires in the East and it is likely yourself know

more about the latter then myself.
In the place of many questions and enquirings respecting Yourself and all Yours let me put down here that single but general request, that you may let me soon hear from You and all my warmly remembered friends. I feel especially anxious to hear ~~of~~ how Mrs Torrey is doing. For this time I can not give You any other direction by which letters will reach me, but via San Diego to Fort Yuma, Calif. Even if we should come out of any mail communication our letters shall have plenty time to return remailed and take their way to El Paso, before we shall be able to be there. According to some few scattered and delayed news, the parties on the Eastside of the line have not so very advanced as to reach Santa Cruz before our arrival at this place. By that we shall have to stay longer at this place, than we could anticipate notwithstanding the several draw backs which we experienced since we are at work.

Since I am in the field again I have a fair opportunity to increase my collection of spanish or rather Mexican songs. The commander of our escorte has quite a taste for them and being out here for several years, he had collected some very nice specimens of this branch of ethnography. Not musically educated he sings those fine melodies and thus I write them down. Whenever I shall be so happy again to sun myself in the circle round the fireside of your house, I shall not be lazy to give them to you and all yours knowledge. That little german popular song the words of which have been very ~~ably~~ nice translated by Miss Jeannie, ~~began~~ became quite a petpiece of the musical members of our camp. —

It is the night of April the [illegible] which enables me to close these lines, for which there was no possibility on account of the Mosquitos.

Lieutenant Michler requested me particularly to send his best respects to You. The day of our leaving this camp is now pretty well fixed. The train will leave Fort Yuma to take the road towards Presidio del Altar whilst the Surveying parties are taking a straight course from the Initial point here few degrees South of East to strike the same road about 25 miles distant from here.

Waters scarce, the days hot and many a stretch, we have to walk over deep sand. Many hardships no doubt but ~~most~~ most assuredly an ample field for scientific items.

I close for this time with the best wishes for Yourself and all your happy family to which I repeatedly send my best regards and love.

Sincerely Your devoted
friend Arthur Schott

Georgetown D. C. IV. 21. 859.

Recd. Apr. 23/57.

My dear Sir

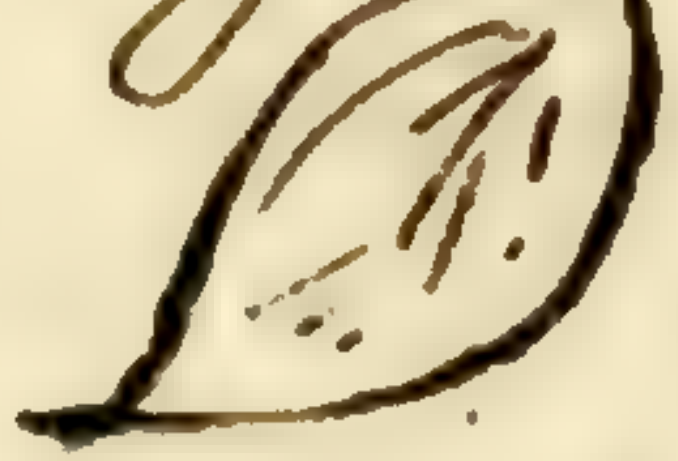
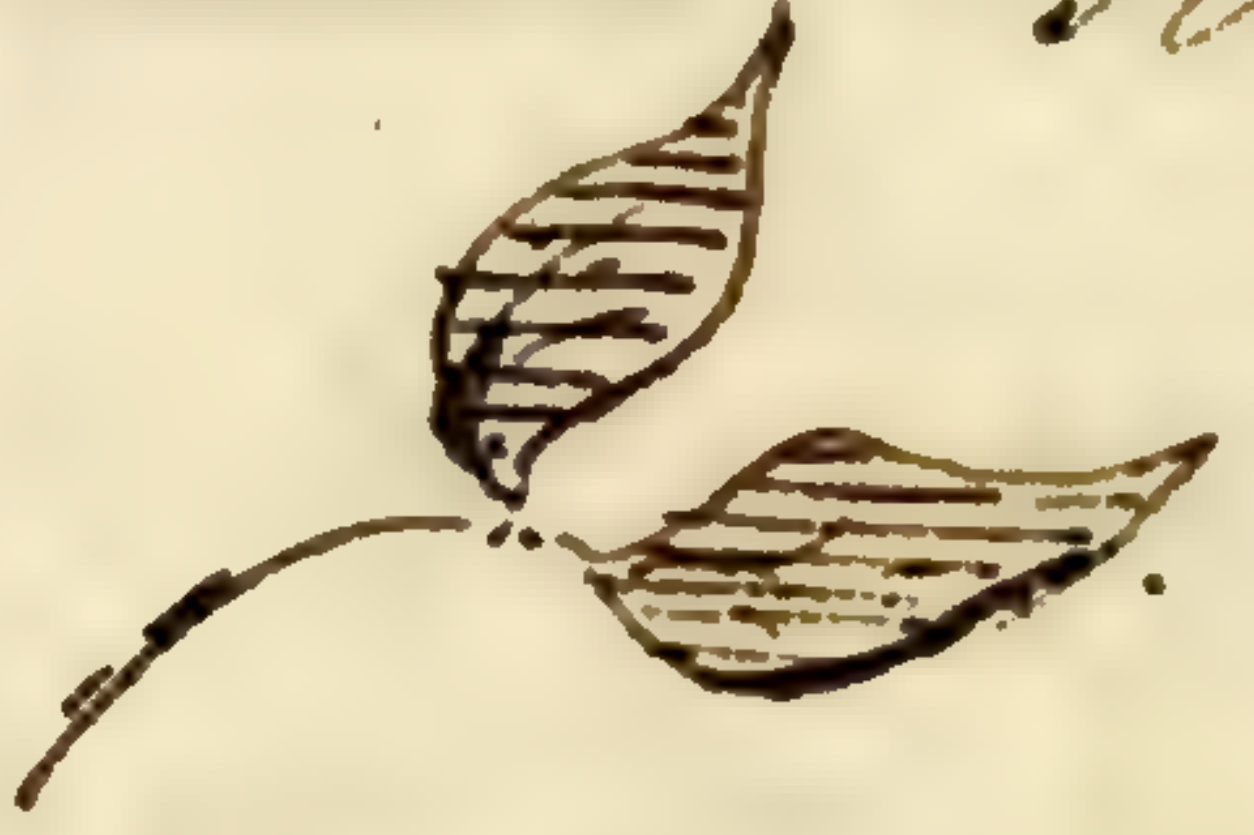
In going over my collections I noticed among the "Lycopods" a number of species, which I ~~had~~ thought to have sent to You for Your own use. Now I am not certain whether I sent to You any of my New Granadian ~~ferns~~ Lycopods or not. You will oblige me if You will kindly notify me about the fact. Some three weeks ago I also despached the collection of tropical ferns to Mr Eaton but have not yet received an acknowledgement of their arrival. There will not be in all probability a special report on Botany or Zoology in connection

Dr. John Torrey, New York.

with the survey of the Atrato report except some general pages on the physiography of the country. Mr. Michler would have been very anxious to get up all the material collected in proper shape but under the present curtailing system every attempt would be vain. I am in hope however that we will find an other and perhaps more efficient channel through which matters may come before the public.

Since the 4th of April my connection with the Commission has ceased as I have got through my work. We all are not yet paid for whole year back and are anxiously waiting to see something done by the tardy head of the Navy department of which the soul seems to be the chief clerk. The latter is it appears bitterly opposed towards us outsiders not belonging under his sceptre. This is probably the sole cause of the loathsome delay. We now live over a years time upon our dried up laurels.

Lately a monograph on „Polygons" passed through my hands, when I found a genus „Rupprechtia" figured there, by which I thought to recognize one of my tropical plants, which I met on the Bonando'. The inflorescence of the tree together with the details of the genus make me think it to be ~~a~~ nearly allied or identical Rupprechtia ramiflora, Meyer. I here send You a dried up flower and I wish to refer You to specimen No 15 of my diversae, which is a full specimen with the leaves [illegible] & I believe.

Did You find among the specimens leaves, flowers & pods of a tropical tree called „Trementino"? The pod is ~~[illegible]~~ leathery unilocular flat and of this shape ; the leaves are zygophyllaceous, similar in shape to the pod . I consider this large and very common tree to be a Hymenaea?" I should like very much to hear Your opinion.

Of late I saw Vol. II. of Mexican Boundary report and should be very glad to get a copy, though there is hardly any chance for it, because there are so many more influential people crying for.

I imagine the season has not yet advanced enough for the summer movements of Your dear family, to all of whom I wish to be kindly remembered. Mrs S. also sends her love and best regards.

Very truly Yours &c.
Arthur Schott

Recd. July 28/57

Georgetown Dl. VIII. 30. 857.

My dear Doctor

Your letter dated June 17th came to hand in due time and was highly welcome. Your views about the botanical extraplates (Cactaceae) shall be regarded. I will try however to get You at least one set, provided I shall be here in the time necessary for the purpose.

I left yesterday a small bundle plants with Professor Baird requesting him to send it on to You with the first opportunity.

The collection contains a mixed assortement of european duplicate specimens taken from my herbary.

I have to remark however, that it was not my intention to com-

Dr John Torrey, New York.

municate to You a choice collection by it, which would not be possible for me, but as You wrote to me, that You sometimes are interested to have a look at the most common thing I send what I can spare without much discrimination. I think You will drop under your table that which is mere hay or dry stick.

Many of the specimens are less nice as it woulld be desirable, because I collected a great deal travelling on horseback. The larger stock is still to be drawn out, which I do whilst I am going on in reducing the size of my herbary. I wish to have it in order before October, the time I shall have probably to leave my family again for some months to join the expedition on the isthmus of Darien.

I would like to have some advice from You in regard to collecting plants in this interesting region. I know Mr. Holton did more there then I shall be able to do during a sojourn of few months only. As the country however is not so full well known, I expect to find at least something. Will You favor me with Mr. Holtons direction I should like to write to him on the subject.

First I did not intend to go out again, but as it is only for one season, I will set my sail upon the tropics.

When I was last in New York You favored me with a copy of the report on Capt. Popes plants asking whether I should like the plates to it. I of course agreed to it, as the prize ~~th~~ You told us at the time is very reasonable. So if it is not too much trouble for You, please remember ~~th~~ me with these plates.—

Whether I shall be able to visite the eagles nest with Mrs S. this season I doubt. Our little Sovereign is cutting teeth and troublesome and would be more so on a journey.

I expect by this time Your house in the city is "bachelors hall again & the flowery souls are out. So I sympathize with Yourself and Hastings but pray nevertheless to give my love to all of them and receive my most sincere regards for Yourself from Your devoted

friend Arthur Schott

Dear Sir

Please to send this letter to the Postoffice in Newyork and excuse my frankness that I trouble you with it. I myself had to give up this letter at the post in El Paso, 8 miles distant from here, and had in this way more trouble with.

Closely I advice You, that my movement from here down to Eagle Pas as I communicated yesterday in a note to Miss Maggie, is not certain. Therefore send my letters, if you please always care of Maj. Emory.

With my best and sincerest regards

Yours

Arthur Schott

Camp about 8 miles above El Paso del Norte.
Decemb. 10th 1851.

All the letters I received until now by your and yours kindneſs and care are as follows:

Of Yourself 1 —— d. d. Jan. 6th
1 —— —— March. 11th.

Miss Jeannie 1 — d. d. — Oct. 16th.
Nov. 17th
Dec. 20th
Jan. 7th
Jun. 19th.
Febr. 28th.
March 9th.

Miss Eliza 1 — d. d. March 4th.
1 note —— — " —

– Maggie 2 leadpencilnotes
one d. d. —— Octob. 16th.

Foreign letters forwarded by your care to me are — 4 pieces.

Washington D.C. II. 29th 1856.

Dear Sir

In my last to You I was not able to write any thing about the botanical collections, as at that time nothing had arrived here. Since every thing came safely to hand, with the exception of one bundle of plants, which was injured to some degree by water, whilst we were in the field in the Sonorian deserts. There is however no serious loss to be regretted. Immediately after receiving my collections I picked out every thing falling in the line of Cactaceae sending them to Dr. G. Engelmann. In regard to the main of the botanical collection I did not find leisure enough to separate all the duplicates or even number all the specimens which must be done, before distribution for examina-

Dr. John Torrey, New York.

tion. Before I am able to do so, I would like to hear from You as how You wish to proceed on this last portion of the Boundary collections. I know that Your time is very precious, which is the same with myself. I therefor think it adviceable to ask You which orders of plants will be examined by Yourself and ~~[illegible]~~ whether Dr. Gray is occupying himself with others besides compositae. ~~Wh~~ Knowing such I would be able to make a sort of a preliminiary or better partial collection of specimens to be examined, so as to enable You to go on without any further delay and at the same time not taking too much of my official time, at present fully and variously employed. Plants already known, I would omit to send on as not to increase the bulk of the questionable.

The specimens of Geology are already arranged partly to be sent to Prof. Hall and partly to serve for myself as items for my sketch of Geo~~lo~~logy, which I am on now to write.

Since I wrote my last to You I took quarters in Georgetown to have it quiet for my private purposes. Mrs. S. who is fond of housekeeping takes good care of myself and of the house and so we live together in best peace and happiness. Her health weakened by long and continuant fever and ague during the last summer in the West is returning again and I have best prospects to see her soon up again. She does not know I am writing to You or she certainly would send herewith her kindest regards.

In case of any botanical drawing to be done be it for the Boundary Commission or for any other purpose I should like to do such leisure hours. If You have not a better hand for it to Your disposition please remember me.

What news have You got about Your own family? I soon shall have to write to one of Torrey friends so to hear something. How is Miss Maggie getting along will she return soon. I expect she enjoys a great deal of pleasure in old Europe.

Shall we not have the pleasure to see Yourself or one of Yours during this season here in our vicinity? Give to Mess. L. & T. best love and regard and please tell my friend Herby occasionally, that I got again on my last trip several curiosities again for his cabinet.

Please believe me

Your sincerely devoted
friend Arthur Schott

Camp opposite Fort Yuma
I. 18. 1855.

My dear Sir, It was quite a bad arrangement I made, by requesting my friends in the States not to write to me to this place, for fear I should possibly this station before such good messengers would be apt to reach me: We are still here and letters following me, would have had plenty of time to come to hand. Complains about this matter together with the continuant not receiving of even a single line from my dear wife — are useless. — Our official work has fairly commenced, the necessary forelabours are made and the survey around here is finished. Now whilst I am drawing the map, the triangulation after a laborious establishing of a baseline is going on and also a pioneering party has started yesterday to run a straight Southline below this, where hereafter the Initial Point of the queer Gadsdenline will be fixed. After finishing the maps, we shall leave this place entirely in two separate parties. The one triangulating the Southline mentioned before and the other runing a line by means of Compass and chain along the river to the vicinity of that point, where the 20 miles Southline will have to intersect the Colorado.

As soon as such shall be achieved, we will have possibly to make a reconnaissance

Dr John Torrey. Newyork.

down to the Mouth of the Colorado; though this I am not yet certain. To run the mainpart of the line will ~~so~~ comparatively not take so much time as our preparatory work does. Some portions of the country, we shall have to ramble through must be after all accounts a pretty much forsaken spot of the globe and the work probably will have to be ~~da~~ hurried on, some other portions however are better spoken of and after all those often repeated bad tales seem to us now, being nearer ~~to~~ by, — much exaggerated. We will go and look. — In the line of my other collateral engagements for the sake of Natural History Geology and Botany I was and am pretty bussy too. I only would have wished for a more favorable season to cross the first part of this Continent, that is from the Pacific to the headcountry of the Californian Gulf. Desolate, void and apparently unfinished from the hand of nature this country is offering a vast material of the highest interest for every branch of philosophical and generally physiographic sciences. If I only should be blessed with 48 hour per diem, I would be able to stirr up many a question not yet satisfactorily answered. A german proverb however says: „A fool is able to ask more then the Wise can answer? and so better I do not make too many questions and enquirings.

Before we shall leave this place I will try to lighten my cargo of collections and send a box on via San Diego, Isthmus &c to the States. If I shall find time I will have to add a collection of plants, which I gathered from San Francisco along the coast to San Diego and from there across to this place. I did not hesitate to put in also Algae, which form quite a conspicuous part in my collection because for phanerogamous plants was during this season not much chance.

I got also some „Filices" among which I however can not expect any novelties and so the specimens may only serve for the knowledge of the distribution of plants. Among the Phanerogamae the Leguminosae and of course the Compositae have to tell a much longer yarn than any other class.

However poor the collections of such regions and at so unfavorable season, may fall out they offered to me a great deal of interest in consequence of which I had to put down many a remark.

In the very neighbourhood here I discovered lately growing on barren diluvial hills, (probably ancient Coloradobanks) two trees belonging to the mighty class of Leguminosae.

With none of them could I find a particle of blossom or fruit. The one is called by the Mexican ‚arbol de hierro (irontree) for its wood is the hardest known in the country. The Mexican use it for making stirups and other articles requiring hard wood. I am assured by one of the botanizing officers at Fort Yuma (Dr Barry) that the tree is bearing a yellow papilonaceous flower. As the tree is said to grow abundantly farther down the country I shall take care to secure, what is neceſsary for examination. The other tree resembling the Mexican „Retamma" in habitu and even in its green bark. I could not yet any name for the one here, but I surely will have it. All the other trees and quite the mainpart of more conspicuous plants I think to recollect well as inhabitants of the regions from the upper Rio Bravo down its marshes.

I omit to ask here many or any questions about Yourself and all the dear members of Your allthe time well remembered family. I hope and wish most sincerely that these lines may find You all in best health and spirits. ~~and~~ I anticipate at the same time that Yourself and all Your family keep me in your good kind memory to which I also recommend Mrs Schott, of whom I never heard or saw any sign since I had to leave her in Ohio

Sincerely Yours:
Arthur Schott

Please give my especial regards to Mrs Torrey and love and friendly esteem to every one of my Torrey friends.

Arrd. Jany 30th

Washington D.C. January 22th
1854.

My dear Sir;

Just I receive Your kind letter dated Jan. 17th 1854. The postofficers seem to be not very mindful to deliver letters even after receiving the full adress. I am glad to have Dr. Parry here, he assists me in assorting my geological collections at the Smithsonian Institution and also in selecting out some few to be sent to You for examination.

Among other things I brought home a collection of seashells gathered on the beach right in the neighborhood of the Mouth of Rio Bravo. I made this collection for the purpose to compare the living with the fossil shells, which occur along the valley of the Rio Bravo. As I do not know who shall or will examine them Dr. Parry advised me to ask You about, which I do as always most cheerfully.

In regard of the duplicates and triplicates of my plants I shall have to do, as You told me in Your letter; though for this I want some more leisure

Dr. John Torrey, Newyork

as I have now. For forwarding of the Cactaceae to Dr. G. Engelmann my best thanks. I wrote lately to him giving some poor accounts of my limited Cactus knowledge. I use every day some few leisurehours to finish several sketches of „Cacti" thus far as to enable Engelmann to use them for studying.

Prof. Baird told us the other evening ~~that~~ of his ~~ha~~ hope about an approbriation, which shall furnish the Smithsonian with the means to have all the plates engraved on copper or steel. This indeed would be a great improvement, as engravings on stone are never so perfect as the former.

Maj. Emory shew me some days since one sheet of the plantdrawings done in Paris, which I think are very nice and good. The lithography did not approach it, though it was not a bad one.

In regard of my coming to New York and ~~Alb~~ Albany I do not see, how it shall be possible now. I of course should have the greatest pleasure to see Yourself and all Yours soon again and also it would of great interest to make the acquaintance of Mr. Hall, talking with him about the Rio Bravo Valley. Maj. E. assigned to me also a paper to be written by myself on the geological and also botanical features of those western frontier-regions. Therefore I hardly believe that he should give me now leave of absence for the purpose. I am at present a little angry with the Maj. and feel mortified that he now abuses my sketches. He is giving them to another draughtsman, who may have alike abilities with me but who never was out in Texas and can for this reason not be able to finish those sketches as they ought to be done. I lose in this way my interest for the matter and look on this Report more or less as I did always on the former ones. A bundle of worthy documents but very inefficiently and unworthy illustrated by so many plates of less [illegible] value.

What You say about the output and arrangement of our collections in publishing them I agree fully and shall submit to every thing, if it is only for true purposes.

About Mr. Carl Schultz, whose personal acquaintance to make, I was prevented when I was last time at Newyork, I wrote the proper remarks on my mind. For the moment however I have to wait for a more favorable time, to do anything practically.

I believe, my dear Sir, You would do very well

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

to give occasionally to the Maj. some notice of it. It is already pretty certain, that a new Boundary will have to be established between the Rio Bravo and the Pacific and as real good working hands are scarce article here, I should think there might be a situation for Mr. Schultz.

In the line of officework I hardly think, that there will be ~~engaged~~ employed an other individual besides those already engaged. Whatever the aspects will be, You may be sure, that I shall do what I can.

With this take my best wishes for Yourself and give my regards and love to all Your kind family.

Sincerely Yours &c.

Arthur Schott

Gen. Campbell, Commissioner told me yesterday as pretty sure, that several parties will have to go out again on the new line. No doubt there shall be wanted considerable more useful hands for the Survey. I hope there shall ~~also~~ be also a chance for Mr. Schultz.

Washington DC. Office of U. S.
Mexic. Boundry Survey. VII. 7. 856.

Dear Sir

This day a box containing the botanical collections made by Capt. E. K. Smith U. S. A and myself through Sonora & Chihuahua will be dispatched from this office under Your direction. I was sorry of not being allowed more time to arrange them with some more care and knowledge as I really did do. The larger portion of the collection made by myself You will find arranged the genera brought together into their orders. I also numbered all the plants so that they have now reference to their respective duplicates and

Dr John Torrey, New York.

triplicates, which will remain at hand here. Some specimens You will find poor enough or only defectively represented, some You will find spoiled and some You will miss entirely by their numbers. Of the latter class are such, which had been sent to You already by Prof: Baird of the Smithsonian, to whom I had dispatched them from Fort Yuma as a collection made on the coast and through the southern portion of UpperCalifornia. The defective and poor specimens You may excuse with a long and weary transportation and also with the various circumstances under which they have been collected.

With the plants I gathered a great number of notes and remarks, which to extract however from the body of my journals I can not find leisure at present. Being asked to do it now I would have to slight the matter, thus I have to leave this work for a better time, when I shall be less pressed by other work. In regard to my formerly written notes on plants of my collection I believe to be able of making some more worthy additions and corrections and at any rate I shall be able to make them more complete by set collected during my last trip.

By this time Your family will be established in the country already and You probably will keep „bachelors hall" with Hastings again. Heaven grant You all good time and let them remain healthy and in good spirits.

I write these lines here in office, and I have no doubt that Mrs S. would agree to if I would propose it to her, to send her best regards jointly with me to Yourself and all the dear members of Your family.

I in all probability shall soon have opportunity to see You in Newyork or vicinity, when I shall pass by going to Albany in August until that time please accept my best wishes and believe me

Your devoted friend
Arthur Schott

Georgetown D.C. VII. 27.
1858.

My dear Sir

After coming so far with my preparatory work respecting the botanical collections from the isthmus of Choco. I placed to day into care of Prof. Baird a second package of cryptogamae for You. This one contains towards 80 species and genera of „Filices" which I trust may contain some very interesting and perhaps novel forms. You will oblige me if You could identify any of the numbers and communicate them to me.

Have You got access in Newyork to good modern works on ferns? I am a

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little afraid to find myself here and in Washington somewhat deprived of good opportunities, for ~~the~~ Congress Library, I understand, is rather exclusive. The set sent to You is intended for Your own herbary and so is the first package containing the Algae of the beach at Cartajena, which may number upwards to fifty. I sent already a more complete set to Dr. Harvey Dublin, by the Smithsonian Institute. Some of the Chlorospermeae I identified already by means of this savants Vol. III of the Nereis borealis. There I found my name doctorified an honor to which I came thus undeservedly as unforseen.

In a few days I expect to have prepared and numbered for You a set of the phanerogamae. I am sorry to say however that it will hardly deserve the name of a collection. It was that portion of my gatherings which suffered the principal losses. ~~wh~~ I regret this the more as the most interesting sections of the country in question remains concerned with this deficiency. It is also a very poor consolation that such was not caused by any lack of attention or labor on my part. In the course of our examinations I shall be able to make some additions to an enumeration by means of my notes, sketches and even memory. Only time will be required.

The affaires of the Atrato Expedition are still in suspense, the Secretary of the Navy having made not yet any decision. Michler at present is absent at his home in Easton, Pa. This officer is determined not to be subordinate to Craven and has the promise of the Secretary of the War to be sustained. So we may see at some day the concern separated, Michler reporting to his own departement under an appropriation for his own.

Please give best regards to all the kind members of Your family and approve the best wishes for Yourself.

Most sincerely Yours;
Arthur Schott

Ans^d. June 21

Washington DC. June 19th 1854.

My dear Sir,

Yours dated June 10th came duely to hand and was most welcome. — By Dr Parry's matrimonial affairs I was quite surprized, for I had not the least idea of it. I never thought about whether he should have any dear Jemima in his mind or not, considering such an entire private business I do not take much interest in such matters, however wellwishing I feel towards every body and still more so towards friends. Thus far as I know good Dr. Parry I feel pretty sure that he understood his necessities best and was smart enough to ~~s~~ make a suitable selection for himself. In his letter to me he stated, that his marriage shall put a stop to his roving life, which he was, as I always thought, never very fond of. I have no doubt this young husband will cherish the jewish law very much and earn its benefits. My wife also became very fond of it since she heard You mention it. I believe You won a part of her good heart for that. I understand the good and the reason of this law very well and would not hesitate a moment ~~a~~ to comply with, if it were not for the circumstances I depend on. I expect however if I shall have to go out again, it will be for some time until we shall have to part. Mrs Schott though very warm minded is thoughtful and religious enough

Dr. John Torrey, Newyork.

to bow cheerfully to that what is necessary. –

In regard to the manuscripts referring to the Mexican plants, I think it shall not be any disadvantage to them, having made back the trip into my hands. Since I have received them some additions were made thus far, that in some few days the whole of the „Collectors Remarks" will be done. If I understood Maj: Emory right the Botany of his Report shall not come first and so I shall have still more time to read my ~~w~~ works over, to augment and to correct it.

To copy them right away for cases of accident I have not ~~lea~~ leisure enough to do it now, but if I should have to take the field again, I shall place them into your hands, either to correct and to connect them with the descriptive portion of the work or to give them to me again for more probable additions.

Those few sentences concerning Cacti I shall send directly to Dr. Engelmann.

Lieutenant Whipple brought some nice living specimens of Cacti along, which are now in Mr. Breckinridge's care. Dr J. M. Bigelow probably made again some nice collections in the line of Botany, as I conclude, but I think he ~~had~~ held them under his own care. I have no doubt he will bring them along with himself, for he ~~has~~ is expected here together with the collections. I have no doubt whatever that You shall hear from him at the time of his arrival. A german draughtsman having been with the Lieutenants party told me, that the Doctor was not yet satisfied with his collections after having arrived at the Pacific, but he went back once more to the Sierra Nevada. This is the cause of his being detained in the far West. There may be still an other cause detaining perhaps the poor Doctor in his home. An acquaintance of mine saw here in a paper some time ago an account of the dead of the son of a Dr Bigelow in Ohio, by the exploding of a canon, when firing some salutes. I do not know whether ~~it~~ the unhappy boy is the same formerly connected with the M. Boundary Commission. If so, however sad for parents to loose a son, to loose such a one, would be only a release, for he shew himself worthless.-

Now Mrs Torrey and the young ladies are enjoying the country and I hope they all will recover their good health and high spirites very soon again. I did not know that Mrs Torrey recovered her strength so very slow. Miss Eliz's letter informed me on that matter. Yourself and Mr. Grant are keeping up now „Bachelor's hall." I do not know how You enjoy it, but I think it is good enough that the „Frauen" are not far off, to have sometimes a glance into the rosegarden of family life.

Mr. Holton, I suppose, will not be through yet with arranging and numbering his plants, which must be very interesting to look at, especially as the country, where he collected, is one of the most interesting on this Continent. Please give to him my sincere regards and tell him, if You please, that we are here still in possession of Mexican Tea and myself thus well as Mrs Schott should feel very happy, to see Mr H. again at our little table. Mrs. Schott grew very fond of all my doctorish acquaintances and friends, a fact which makes me always very happy to think of.

Some of these days I shall get through with my geological report, which I have to prepare to say something about the lower Rio Bravo.

At the same time I am also very busy in inking all the sketches, which I made, when operating in the fields. I feel confident, You would like to look at most of them, as I deposite there rich studies about the character ~~of the~~ and physiognomy of the Flora of Western Texas, an object which I find thoroughly neglected in the illustrations to our Report in spe, which otherwise will be arranged and appear in a very nice style.

For this time let me close, please give my friendly and sincere regards to Mr. Grant and take all my best wishes for Yourself.

Truly Yours &c.

Arthur Schott

Washington D. C. March 5th 1853.

My dear Sir

I hope You will take it as neglect that I did not write immediately to You after my arrival at this place. I always expected to hear some news in regard of the Commission-affaires but all in vain, it is all the same as You will already know and as Dr. Parry probably has told You.

As I until now understood the Commissioner will be turned out, for which I am not very sorry, though I never saw him. I am pretty much aware that only his management brought the commission in such a disgraceful fix.

Some days ago I received an officiel communication from him

Dr. John Torrey Newyork.

asking to deliver all the collections of specimens, notes, sketches, drawings etc. not belonging to the Survey into his hands. With the intention, not to give up any thing, I went to see him but I had not the pleasure to find him in his office. This was before yesterday and now the new administration is in action and I have passively to wait on what is to be done.

As there is no work to do for present, I could have taken the route for Newyork to pay a long desired visit to all my worthy and kind friends there, but I think it is for all events better to be ~~for~~ at this moment here, for I suppose, the matters of the Boundary-Commiſsion soon will taken up.

Moreover in regard of money, I am entirely cut off; I was not yet able to raise a single cent.

Just now I receive your kind letter d.d. 3th of March and also in a very welcome company, for all them I am very much obliged to You.

I had yesterday a real glorious moment to see the act of the presidents inauguration. What a moment to see the man elect laying down the oath before the people. How poor those foreign policemen & spies looked, up-dressed in knavish uniforms of bondmen. In the speech, the new president held, there is after my opinion life and heart. God bless him for the peoples, mankind's and freedom's sake. — In regard of your studies about our collections in botany, I am very glad that Dr. Parry will be with you. I should feel glad if I at a time should be able to assist in any way. There is now nothing to say, all is yet dark and chaos, but I hope soon it will come out straight, that a honest man may follow the tracks to achieve at least something.

With the engravings of Stansbury's Saltlakeplants I am not satisfied at all. They have been executed by this loathsome Ackerman just as I was afraid for. I am therefore glad not to have my name under ~~th~~ that work. It is no genius and no love for the objects in the whole execution.

It is a shame for the government of this country, that such public documents, reports &c are always illustrated in so mean a way.

If you please give my best regards to all your amiable family and take also for yourself all that you may expect from a sincere friend.

Truly yours &c,

Arthur Schott.

Fort Duncan. Texas. March 20th
1854.

Dear Sir, Its a long time since I never found leisure to direct some lines to you. Had I not to expect soon to come off from this place, perhaps I had omitted even to day to write, for I thought always more and more to increase my knowledge about the surface of this part of Texas. When I got my appointment as assistent surveyor to this line, I felt not a little uneasy and quasi disappointed, because I a great desire to come further and even to those regions, we were once speaking about in your study. A sailor has always to regard the wind and thus am I and so left I the vicinity of El Paso again after a 4 weeks sojourn, as you will already know. The trip back through those most desolate regions I had passed through but 4 weeks ago, was against all my ex-

expectations, more interesting as first. I rode through mounted on a small mule and almost all way long devoting my attention to Geology and Botany. In the latter section was of course not much to hope, season was too late and too early. I made notwithstanding many remarks, partly new about such objects, I had missed, coming up and partly ascertaining and affirming formerly made notes. I paid particularly some attention to lines of demarcation for some trees and shrubs and made besides a great many studies about more strange looking shrubs & trees & other plants, perhaps of some use afterwards for drawing.

Arriving here we got into a pretty lacy life, that is in regard of strict business, for to me would be the severest punishment to be [illegible]able any thing to do whatever it may be called.*

On the road I picked up some of the earliest springs-messengers, but deprived of every book, I wan-

Cassia ~~[illegible]~~

Oxal. Dichandif.
Cassia pumila

Oxalis [illegible]

tel hereto, I can not tell you the names. A Baileya (after its outer habitus) stood in bloom all winter long, as I noticed in the valley of the rio Bravo. also an artemisia, of a most grazeful habitus like our european A. pontica and somewhat similar to A. camphorata. The highest point on our route not far from the head of the Limpia affords a grand mountain scenerie and besides this an ascertaining botanical proof of the height of this place. Dr. Parry found here first a pinetree of which he was told the mexican "pinones" are the fruits. I think he designed it in his collection with P. edulis Engelm. The seeds a mexican delicatesse are great article of trade of which Santa Fe is the mainplace. Coming into the limestone formations of the Guadalupe mountains I found the plants more advanced. Especially on the San Pedro river, where I ~~had~~ 2 syngenesists one of the cruciferae and a Phlox ~~had~~ had to put in paper.

Now here is the spring in full speed and man can scarcely find time and leisure enough to go after all the botanical beauties. I avoid to say news because I am stranger for this Flora and to me is almost every thing new. In the latter days I had to wonder what nice and graceful shrub the Larrea is. In its inflorescence is a peculiarity not given in the engraving of E. report and that is the petals are all thus vertically annexed, that one margin is looking up and the other down, it is nearly like the waterwheel of a propeller. In the very neighbourhood (oolithic formation) are some coalmines of better & meaner quality. I found in their neighbourhood some pretty plants as a very delicate Linum a Lupinus and if I am right that shrub Dalea formosa with its most beautiful flowers. The Flora here seems to be exceedingly rich on plants for t[illegible] and medicine purposes. I collect notes and remarks for this reason as much as I am enabled to get.

Perhaps I will have opportunity to send you from Laredo a collection of plants. However, I shall always be happy to something useful. Until I will have next opportunity to write to you my dear Sir I pray you my sincerest respects and so I am

Your devoted friend
Arthur Schott

New Orleans Mai 8th 1853.

Ans.d May 20.—

My dear Sir

After a pretty troublesome working a head by railroads and steamboats I arrived yesterday morning 8 o'clock safely in this City. Maj. Emory whom I had missed in Cincinnati did the same on board of another boat and thus almost all the chiefs and subchiefs of the unhappy U. S. Mexican Boundary Com. are here. As there is only one steamboat between here and Brazos San Iago we are obliged to leave quick again on Tuesday (10th) for that place, without having much time and opportunity to do much good here for a proper outfit. I am afraid the same curse rules over this new created Commission, which caused so much dissatisfaction with the late one. Maj. Emory feels still not quite well, though it seems to me as his mind were irritated by the too severe cutting down the Commissionsaffaires and thus he feels lowspirited and more sick as he really is. Of course this is only a supposition of mine.— Now parting again from civilized life, I long to come soon ~~out~~ into the wilderness on the Rio Bravo, for there I

Dr. John Torrey, Newyork.

feel less lone as I do here among that bustle of money-making life and connected and near to so many a person, for which I can not have much regard or sympathy. Out door in the open nature and freedom I am almost thus much at home as among good warm sincere friends. It is certainly a fact, through by very few acknowledged; nothing is so true as the spirit of nature. Intercourse with it is one of my conditions of life.

Dr. Parry has not yet arrived here and I am afraid he will be too late for he supposed as we all ourselves did, that we shall have to stay here at least a week. If I do not see him here, probably I shall not see him until after finishing my work from Laredo down to Ringgold Barracks. To day I received a letter from Dr. J. M. Bigelow. He expected to see me in his home at least for some hours, but as I was engaged to travel along with the Maj. I could not stop between N.Y. and Cincinnati. He also anticipated the pleasure of seeing and meeting all us, that is Yourself, Prof. Baird, Dr. Parry and myself at Cleveland, where a general meeting of Geologists & others soon shall take place. About those expected 4 boxes containing a part of our Santa Rosa collections, Dr. Bigelow also has not yet heard any thing. There is connected with them a box with living Cacti to be sent to St Louis to Dr. Engelmann. I myself think there is no other cause of delay to be afraid of, as that Lewis & Grossbeeck in San Antonio did not forward them in due time. This firma much annoyed by the late glorious Commission by not being promptly paid &c. received the boxes not with the utmost pleasure and thus I think, the boxes were safely stored away, until advices were got at San Antonio that all the payments for the Boundary Commission shall be made.

About the contents of those boxes I addressed to the Smithsonian Institution I wrote a memorandum-note to Prof. Spencer F. Baird, explaining how he may direct the various portions for examinations. Thus the silver- and lead-ores and coal shall be sent to You; whilst the duplicates- & triplicates of plants may remain on storage until I return. — To Dr. John Long, residing at Santa Rosa in Mexico I shall write from ~~Fort~~ Ringgold Barracks or Laredo, to procure a small specimen of that native-iron, I spoke of to You. I hope I shall be able to get it, though such matters are pretty sticky to be pursued in those regions of the world.

For this time allow me to part again from You and take the assurance of my most friendly regards for Yourself.

Please to remember under Your many and various engagements and occupations

Your devoted

Arthur Schott

Recd. June 27 –

Georgetown D.C. V. 16. 858

Dearest Sir

Your kind letter reached me day before yesterday and it was thus welcome as it was unexpected, for I had an hour fixed already in which I wanted to take the great pleasure of penning You some lines of regret on my part because I had not been able to drop into your office in due time. My heart was and is still full with matters, which I am very anxious to talk and chat over with You. I do not despair however that this will be possible soon. As You will have learned by Miss Eliza how the engineering parties got along on their route over the isthmus of Chocó I do not think it necessary to repeat anything about. The treatment on the part of one of the superior officers was more then injudicious and I believe not to say too much if I assure You that within myself the moral and official man is equally offended by that certain officers conduct. I also have ~~no~~ to regret more particularly the much reduced opportunity to my command for collecting specimens of Natural History and also for transportation and safety after being collected. Among other things I have to

Dr. John Torrey, New York.

mowen the loss of a large portion of botanical collection specimens and written and sketched notes. The loss is the more serious as I was not able to replace it any way during our returning trip down the Atrato river. The banks of this beautiful stream are the richest region travelled over by myself and would certainly have afforded a great deal of interesting matter. It is now of course not time to complain about things, which are not to be altered and so I shall ~~you~~ give You a brief account of what still remains on hand. Of Cartagena there is ~~a~~ a collection of very interesting Algae many new things at least for myself and also from same neighborhood some interesting things of phanerogamae of the coast region. From the gulf of Urabá (Darien) several specimens especially "Ferns" were collected. The latter class is most profusedly represented all over the whole route the highest elevation of which does (I believe) not exceed from 1200 to 1300 feet. This multitude of ferns seems to class the flora of lower Chocó with that of the West Indies. In one of the highest localities surveyed one species of treefern was seen and collected in good fructification specimens. Without having counted them I should think there are some 30 gen. & spec. of Filices in the collection. An other characteristic of the flora is the deficiency of Cactaceae, for only 4 (gen. & spec.) came to hand. Orchidaceae are well represented; also Aroideae, but the specimens which had been ~~saf~~ safed are naturally not good looking. The continuant dampness of atmosphere of

the country is a very serious drawback on collecting matters.
Leguminosae act an other very prominent part on the surface of Choco and it were the Atralobanks especially, which offered the richest treasures in that line. The palms of course belong to the capital things in a tropical country and I devoted especial attention on them. They are not much fit for herbary specimens and very hard to study because they are less accessible and also they are rather reserved in showing their floral parts. I succeeded however in sketching 50 different palms for the sake of their habit to which I may add a number of interesting notes.— Besides Zoology and Geology and even Ethnography I employed myself much in drawing scenic sketches and panoramatic views as to give to the public a most faithful representation of the country if required.— —How do You like the landscapes of Sonora as I finished them in those outline views in the Mexic. Bound. report? I should have liked very much to give you the names of those odd vegetable creatures of ~~those~~ the Western wilds. This I may do once, when I come to New York again. This kind landscapes ought to be accompanied by a small explaining content, which I once proposed to the Major, but he was all too much hurry. In regard to the 2d volume nothing seems to have been decided upon. I hope it will not be lost for the scientific world.

I was yesterday to sees my chief Mr. Michler but could not see him. He reported in person to the Secretary of the

Navy and I am anxious to know in which way the reporting work has to be completed. I must confess I ~~[illegible]~~ should not like if Michler would lay down his command, which he is resolved to do in case Lieut. Craven should ~~[illegible]~~ receive any superiority over him. This ~~[illegible]~~ however seems not to be very probable.

On my warmly longed for safe arrival at home I had the great pleasure of seeing all my little family in good cheerful health. My younger daughter Melita pleases me exceedingly by her goodhumored cheerful demeanour. All the businesspeople of our neighborhood that is those who must understand it best, the ladies, called her „a real beauty", „the fairest child" &. The wilderness of Choco left so much politeness with me that I do not dare to doubt these epithets. Mrs Schott who thanks You for the kind remembrance bestowed upon her, asks me to forward her kindest regards for You, which I herewith wish to do. She herself after botanists fashion calls the later arrived little stranger Melita Schottii. I am sure you will find but right to delight in such a scientific name.

Please give my love and best regards to all the dear members of Your worthy family and accept the best wishes and regards for yourself from Your

devoted friend
Arthur Schott

As soon as I hear about the mode of elaborating our material of Choco, I shall inform You instantly. I believe it would be a good plan to separate the botanical collection in parcels according to the hands, by which they will have to be examined.

Georgetown D. C. XI. 5. 858.

My dear Sir

I feel much mortified of having You though unintentionally deceived again by announcing You the despatching of two more bundles of New Granadian plants, which I intented to send by E. Serrell Esq. After having mailed my last I went to the Smithsonian to take back those bundles, which I long ago had placed into Prof. Bairds care. They could not be found however and must have been stored away somewhere. Whilst looking for them all over the building, I found to my regret also a third bundle of plants, which I had placed into the same hands about a year ago. It contains european continental plants, duplicates of my herbary, which I had

Dr. John Torrey, New York

promised to You long ago.

I feel sorry about this things but for the moment I can not help it. Thus soon as I can get the misplaced bundle to hand again, I will transmit them You by a surer opportunity.

Sincerely Yours &c.

Arthur Schott

Rancho Jamacha, 13 miles S.E. of
San Diego. Nov. 13. 1854.

My dear Sir

The time since I left Newyork seemed to me twice as long as it is in reality, for hundred & thousand sights of the most different nature have been passing before my mind, which unvisibly is taking always pains to mark down all that is worth notice. Since we left San Diego to live here in camp it is the first time I permit myself to sit down for the purpose of inkling some of my thoughts upon paper, which I wish to direct to my far off friends. All the annoyances of Steamboat-travelling, (Camplife is delight) are nothing compared with the slowly but surely accumulating pains caused by the want of hearing of those, we hold nearer to our heart under the sun. I did not receive yet any line from the East, thus the poor rambler has to content with the firm belief that all is right and according to his wishes.

Dr. John Torrey, Newyork.

Thus I hope that these lines may find all my warmly and often remembered friends in 8th street N.Y. in good health and good spirits. May it be in the will of divine providence that I find them all in that happy relationship in which I left them behind to part for some time with civilization and home-life.

With the last mail I had the cheerful opportunity to send a letter to Miss Eliza, which, I hope, will have reached its address by this time. Since that time I had some leisure to volunteer round San Diego and this place opening the eyes for Botany, Geology and Natural History. There is rather a poor chance now to collect any thing not only on account of the late season but also on account of the meagerness of the country, which seems to suffer under the course of a general draught. The mountaintops at this time nourished by those heavy fogs, which old father Pacific during the night is sending towards this continent, are the only spots [illegible] where something is to be looked for. On the other side it is the seashore, where under the motherly care of Nereis some botanical treasures are brought up. Under these circumstances Algae, Filices and some few Phanerogamae are the only plants I could get hold of until now. Spring however will set in soon and then I shall use every opportunity to put up a collection, of which I can have no conception at this time. As a general remark about the physiognomy of the vegetable kingdom, in both in the physiologic and systematic line, I find that there is a great similarity between the vegetable cover of the lands along the Rio Bravo and the Western coast of this Continent. A certain peculiarity, which I think is based partly upon a corresponding latitudinal distribution and partly upon similar geologic conditions ruling throughout both these different regions. How far this remark may be true, detail-notes will have to show. Glances upon nature of this kind, I consider now as the only reward, which I may receive for my labors during this trip, for in the line of discoveries, I do and can not expect any thing, going over a ground, which has been travelled over in almost every direction by other men, more able and favored by circumstances than myself.

In regard to my health I am ~~ha~~ fortunate enough to state, that I find myself very well, for simplicity in living, activity and day and night open air, are the things agreeing with me perfectly. I wish only that the beloved and esteemed partner of my life may bear the pain of separation thus pious and brave as she promised to do. If heaven will bless me thus far, ~~wenn~~ that I shall have to live longer, I hope to be able to repay Mrs Schott for that she ~~ta~~ is suffering now.

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

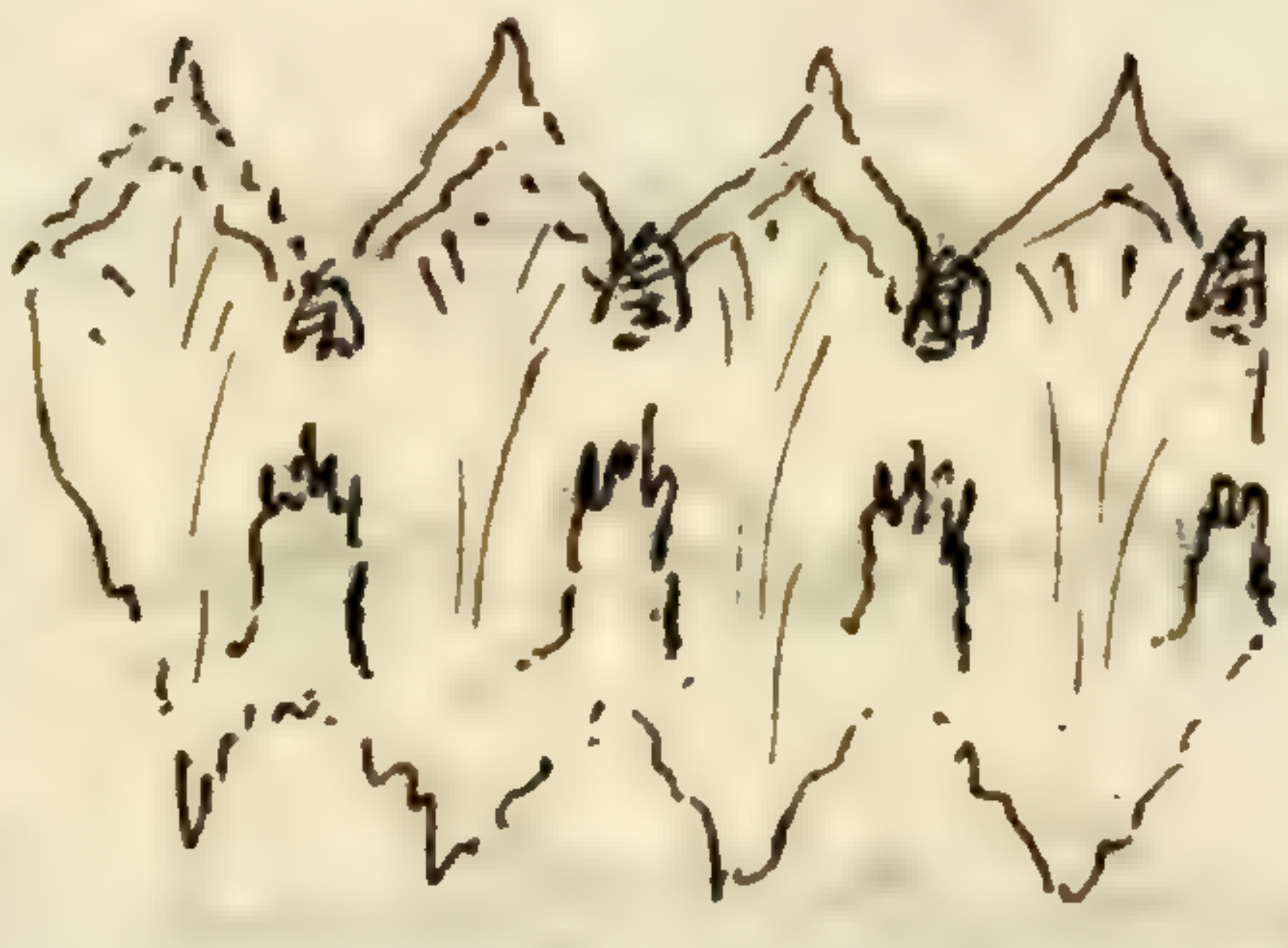
I need not ~~&~~ to beg especially permission to recommend Mrs Schott into your kind sympathy in the case of any casuality I should have to submit myself, as all ~~men~~ mortals have to do, whilst living in ~~this~~ the transitory state of this sublunar world.

I close for this time to direct some lines of remembrance to Mrs Torrey, who, I trust, finds herself in a good and better state of health, as when I had the pleasure to see her up on the Hudson. Please receive the best wishes for yourself from your sincerly devoted friend Arthur Schott.

Washington DC. IX. 7. 856.

Dearest Sir

Please receive with the enclosed some few of the best flowerlets of the questioned Cuscuta subinclusa Dur. & Hilg. Thus far as my investigations reached the parallelsided scales represent themselves thus. What I however could actually see was very imperfect and I should like to hear from Yourself, how You look at the objects.



By this time You have probably received already a visit of Dr. Engelmann and may have arranged matters as to place into his care the examination of some of the genera of our collections.

Dr John Torrey. Newyork.

In regard to some endogenous plants namely the Yuccas I have some material for information in my possession, which I shall have to transmit to You thus soon as finish the drawings of my topographical views. I think it would be a good plan if we could persuade Maj. Emory to send me about November to Newyork for one or two weeks. I think the work of adapting and embodying my botanical notes with your content would be promoted best in this way.

If Dr. Engelmann should come on to Washington before I shall have the pleasure of seeing You, I should like to receive by him ~~my~~ the manuscript of my formerly written notes on the plants collected by myself. I have quite an ammount of material and may cut off some useless parts of the former.

I close for this time. Pray, give my best love and respect to all of Yours and Yourself.

Believe me very sincerely Yours

Arthur Schott

On bord of the steamer Winfield Scott
Sept. 21th 851.

My dear Sir,

Quiet a misfortune kept me away from you in the last moments before I was to go on bord of this steamer. Thus I was deprived of a last greeting and handshaking. The cause of it, you will know by Mr. Hastings, who handed to me a letter from the Smithsonian Institution, with an enclosed draft. The signed receipt I have to send back from New Orleans. This affair is then cleared and I am happy, not to trouble your kindness herefore farther.

I feel myself besides this so deeply indebted ~~to~~ as well to you my dear Sir as to your whole

Dr. John Torrey, Princeton N. J.

kind family, where I experienced
so much friendship, that I am
scarcely enabled to think, by what
~~so~~ means and whenever I shall be
so happy to return you in answer
of them even the smallest portion of
a similar nature.

I know very well your kindneſs
never writes a bill, but if it should
occurr and I myself should see
me enabled to do any thing for you
or for one of your friendly house
now homelike to me, then add to
your kind works also one more
and let me know, how I can serve.
Though no wealthy man but of
animated by the best willingneſs
you shall find me always ready.

Our voyage was till now not
of much interest. Good weather

breezes, squally time, sea sickness, yellow looking faces ;; is all, what I can say now. I myself escaped from sea-sickness and got only a slight headache instead of a full solemn confess. Poor Dr. Parry had two days to lie down stairs and to make a philosopher. You will get a letter from him.

New Orleans 26th Sept. 851.

We arrived here without any further accident and I close therefore this note expecting soon to be enabled to write more.

Please to remember your devoted friend and take the sincerest regards from me.

Respectfully yours

Arthur Schott.

Georgetown D. C. Sept. 25.
860.

My dear Doctor

It was no little gratification I received Your kind note d. d. 21 inst. after so long an interruption of our corresponding intercourse. After receiving no reply upon several letter I felt discouraged to write to You lest I should become an intruder upon Your time, of which I am very well aware how precious it is to You. Several days before receiving Your recent note I intended to sit down and write a few lines to You in regard to those few tropical phanerogams, which I brought home from the isthmus of Chocó, placing the

Dr John Torrey, New York.

Many thanks for Miss Elisas kind letter, which I soon shall find time to answer.

fullest set of this poor remainder of the collection into Your hands. Since that time we waited and waited patiently in expectation to be ordered by Congress to finish up the Report and also to receive the necessary means to that purpose. Though we succeeded during the last session to get an approbriation, it was afterwards ~~found~~ found out, that it was too small leaving only a few hundred dollars after paying off the arrieres. Lt. Michler at the time in charge of the topographical party in the field and at home was ordered away since, to be engaged on lighthouse duty on the coast of California, so the finishing of of the report is left with two of his assistants under the direction of Capt. Woodruff Topog. Engin. With me is left to gather up the various branches of Nat. History, Botany & Geology and drawing the Topography on the maps. — I know full well how much You, my dear Doctor, are suffering under the burden of Your manifold labors and therefore would not dare to ask You for any elaborate account of the plants of our collection. This being, but a poor remnant of a once pretty complete series until the accidents and mishaps of our travels destroyed the principal portion, will be sufficiently excused, if we do not attempt to give a strict & full systematic enumeration. If You should be able however to give me within a

S

months time an authentic list of those specimens, which You are able to recognize wholly or in part and upon first sight, You would relieve me of some embarassement. I have still a great many notes ~~out~~ on plants which I was able to recognize myself, so as to make additions to a list of plants, by which the reader may be enabled to form a general idea of the vegetable growth in these regions. Prof Harvey of Dublin has sent in a list on the Algae of Cartajena and so did Mr. Eaton on our Ferns, so that the Cryptogams will be well represented also and offer good company to what You are going to bring up.

As You announced to me still on other letter, I omit to write on any other type, waiting for the volume promised me. Mrs S. sends kind regards to You and so do I, my little family are, thanks to divine providence all well & prospering. Sincerely Yours Arthur Schott

2/

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

Dear Sir

the best part of the letter for this second sheet. It certainly needs no especial assurances to tell You how much I sympathize with Your feelings I also fully understand that You do not like to write and talk much about matters, which only can be overcome by our own exertions and in the deep recesses of our grieved mind. It is for the same reason when I did not like to touch those wounds towards the members of Your dear family, ~~[illegible]~~ whom I was so happy to see here and in my house. It is not enough to offer consolation but we also must carefully guard the moment for application otherwise it would not answer the purpose. Yes, it must be so, a man losing a beloved wife and worthy companion, as You had, never will wholly recover form such a blow. He stands in life like a tower of which one corner lies shattered. If we however take our cross upon us and consider ourselves us not standing solely as individuals belonging to this sublunar world, but as parts of the whole subject and destined to a continuant change of shape and position, to approach our true destiny, then we learn to look at losses as so many steps towards eternity. The more our heart has to bleed and our mind is put to suffering the easier we will bear the cross. I have no doubt, my dearest Sir, You have found yourself on that path already and have the end of human existence and the happy change so clear before your eyes, that it is no more sacrifice for You to bow before the will of God. My good wife returns heir best and kindest regards to You. She fully partakes in my sympathizing expressions towards Yourself. She with a younger and more tender heart, than I possess [illegible] has not yet overcome the loss, we had to suffer in the very outset of our joined life. How deeprooted the love of a mother must be!

Miss Eliza, when here was kind enough to take charge of a small package containing a parcel of seeds, especially of „cacti." I doubt not but it came safely into your hands and You will dispose of, and turn them to some use.

For the present I am busy finishing a series of sceneric views taken on the different stations on the Boundy-line. To make these landscapes more valuable and worthy for science I pay particular attention to the execution of the Foregrounds, which are fitted out each one with some peculiar plant indegenous to the country. I wish You could see some of them. The most striking features in this regard are offered by the Cacti, which deserve more special attention on account of their being almost new in the representation of landscapes.

Let me close now and receive my most sincere wishes and love for Yourself and all Yours from Your devoted friend

Arthur Schott

Washington D. C. April 5th 1853.

ENCE
HERBARIUM
COLUMBIA UNIVERSITY.

My dear Sir,

Almost immediately after my arrival here this morning 6 o'clock I went to see the Major, whom I found a little weakened and yet confined to his room. I did not expect to hear many important news and troubled my mind not at all, though a telegraphic despatch had reached me yesterday morning at Princeton. Besides a great many other kind doings towards me I am again in your debt for the the speedy forwarding of that mentioned despatch. I had before decided to leave Princeton Monday evening, to have a little more time to stay and to see Miss Eliza a little more. For Monday we had proposed to make together a walk over old Vermont grounds, but the weather was so unfavorous and rainfall so heavy, that hardly anybody was able to go outdoor. I took my advantage Sunday morning walking down the well known lane, passed homelike Vermont and went down to the spot of the fallen copse. It is too much the worlds course and I therefor do not allow myself to say much about. —

The Majors intention with the telegraphic despatch was to have me here in presence as the Commissioner is seeing himself ready for new appointments. My mind lost by the late management of the late Boundary Commission all elasticity and trusting so much that I do not expect much better now.

Dr. John Torrey, Crosbystreet No 67.
Newyork.

What day the intended members shall be reappointed, I do not yet know, though I think, it will take place in some few days; how long it will be until we shall be sent out again is yet a ~~se~~ secret, I presume, to every body, even to to the Creators ~~do~~ themselves, perhaps the money is lying yet in the mint.

After some talk the Major requested me to divide some texian seeds, Dr. Bigelow had brought along. I had also to label them. He intends to send one portion to a gardener in Newyork. Having done with this I went to the Smithsonian to see Messrs. Prof. Henry and Baird. With the latter I arranged that I am able to overlabel to morrow my geological specimens

In regard of Dr. Parry and wether it would be possible under the ruling circumstances, that he may ~~st~~ stay sometimes back to assist You in examination of our collections, I would not venture to say anything. If I am right, so can Parry himself probably the best in this case, as he is well favored by the Major.

I ~~[illegible]~~ shorten this letter with the request, You may be kind enough to cause the forwarding of a little box, which is placed among your stores in the College. After receiving the questioned object I wish to send the box with several articles to Newyork again.

With my sincerest thanks for the cheerful home, I enjoyed of Your and all Yours Kindness during two weeks

I am, my dear Sir, your devoted friend
Arthur Schott

Arthur Schott. Care of Ch. Tschiffely, Esq.
Washington City.
G street between 12 & 13th.

Georgetown S. C. IV. 17. 860.

My dear friend

It was with not a little gratification that I and I may ever say, that we my wife and my humble self received once more again a letter from You after so long a silence. I concur fully in Your views about friendship and also about the occasional exchange of friendly messages, as being the flowers of mutual sympathy, how-ever rarely they may come to bloom. It is a sad truth also, and we must not deny it before ourselves, that brambles and thorns of every days life too often interfers with that portion of our intellectual as well as that of our souls dealings and exchanges, which we

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should never allow to be influenced by others ~~than~~ than those, which emanate from above. Alas! we are men — beings with an eternal soul imprisoned in a body one or two grades above vegetables which by their roots are fastened to the ground. Though we like other animals are allowed to move freely about, but still we have our roots too, which continuantly seek to fix us to the bottom — so we may not wonder about ~~a~~ seeing ~~being~~ us often associated with — brambles & thorns. So it will be better not to exercise too much scrutiny, especially when friendly relations ~~[illegible]~~ are concerned. „Once a friend always a friend" so it must be, if we wish to do honor to ourselves. It is likewise certain that we ought never let sink our past into obliviousness. If we should suffer us to be negligent about that, we would rudely destroy the trinity of our existence. Even a wolf or tiger knows of a „to morrow" for they store up the remains of their savage repast, to enjoy it, when hunger will crave again is short. wolf & tiger have somewhat of a future — but there is no soul, where to treasure up the gems of the past. I believe this belongs exclusively to man and he is advised to keep that which is best. — You ask about my singing sports. Mass singing I have abandoned on account of our now living farther from the City, then we did before. About 10 months ago I bought a little place upon the Georgetown heights. A framehouse more roomy, then that in Weststreet and surrounded by a garden will offer a better occasion to raise a little family. If You ever should come once again to Georgetown, I am sure, You'll find our purchase

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a reasonable one. Now music we culti-
vate more in familystyle. Thus far
as Mrs S. can loosen herself from
the little prattlers she sings with me
ballades, duettos &c. I occasionally
write something for two voices. I am
sorry however that musical affaires
in N. can not make a start for a
more elevated position, which truely
belongs to this heavenly art. My
favoritestyle remains always that
solemn strict science of music, in
which all the different voices and
instruments are equally thought
and worked through, so as to one
democratic musical mass. Such as
the ancient masters and also Beet-
hoven and Mozart and others have
created. I do not care a straw
for that modern monarchical
eartingling, where only one voice
is domineering supported by a
mechanical run of accompanying
instruments and voices.

[illegible] CORRESPONDENCE
COLUMBIA UNIVERSITY

Ever since I had the pleasure of seeing You last, we working hands in Washington experienced hard times in consequence of Congress making no approbriations for surveys and explorations. Our portion of the Straits concern was also locked out by the perfidious policy in the navy department, which at all hazards wanted, as it appears, to defeat the whole object. Thus we were compelled to finish our fieldwork without pay in order to go with our labors finished before Congress and ask a small approbriation to pay our dues. A few hundred dollars was the whole income within two years time, so we had to confine ourselves to the most

For this time my dear friend, let me close and send You Mrs Schott's love and thanks for Your kind remembering her. Receive also sincerest wishes and expressions of the unaltered friendship, which I entertain for You since the first time of our acquaintance.

Yours sincerely

Arthur Schott

rigid economy in order to increase the income by negative means. Meanwhile I commenced working out long yarns of a personal narrative about my travels outside of civilization, which I wish to publish once in Germany, if I should have an opportunity to do so. These matters however serve more to our moral satisfaction, than to line our purse, so as circumstances command, I would not permit myself to stick exclusively to them and forget the more practical portion of a fathers & husbands duties.

I lived always in hope some official business would call me at some time to New York but in vain. Everything of which such a trip could possibly grow out is barren at present and so I have to submit to circumstances. Your kind letter found me paying my equinoctial annuity in the shape of a very severe cold. After I had squared up with the season Mrs S. had to undergo the same and after this my turn came to entertain one evening our Natural History club of which I am a member. I wrote a paper „Remarks on the Cactaceae of our Mexic. Boundy." which I want to form the skeleton of a more finished Sketch on the same object and intended for publication. By these things I was prevented to answer Your friendly letter immediately which I would have done cheerfully.

Sonora is now thick fat little girl goodhearted and saftern indeed but at

Pray give my love and regards to all of You.

CORRESPONDENCE COLUMBIA UNIVERSITY.

present so rich in tears, that I am afraid, she will weep herself to death like Undine did. Melita is the contrary; she always shows a rosy lovely humour, for which if I had it known before, we would have given her the name „Allegra" The little boy Albert Leonhart, called after both his grandfathers is a very lively and also cheerful fellow and a boy through and through. He seems to incline to Natural Hist. for the cat in the house, seems to interest him most.

Of Dr. Torreys doings I do not know any thing at all, not even what Governments report he is at. I had written to him several times and not receiving any sign from him I was afraid to intrude upon his very precious time. A bundle of european plants, which I tried to send to him about a year ago through one Mr. Avery, must not have reached him and is probably lost, which I am very #

sorry for. For the sake of my Atrato report I should have liked to hear from him in regard to some of the New Granadian plants, which I had sent to him. Mr. Eaton & Dr. Harvey worked out Ferns & Algae.

Washington DC. April 19th 1854.

My dear Sir

Just now I sent a bundle of plants, containing specimens of my last made collection, to the Smithsonian requesting at the same time Prof. Baird to forward them to You. The specimens are now all numbered and correspondent duplicates kept still in my hands. I wish I done so also with my former collections, which form the far more complete part. To do this now would however be a perfect impossibility. I expect and hope that these lines shall find Yourself and all Yours, but especially Mrs. Torrey in good health. In the Eastern-holydays I felt quiet anxious about Mrs Torrey in consequence of this awful Norther and snowfall. How tormenting these afterwinters are, taking the place of springs-rising on the Atlantic part of this Continent. Particularly the sick have to suffer under such ~~sto~~ extremities of the seasons.

Have You received already Owens Report and a box containing various articles and specimens. I had delivered them a long time ago at the Smithsonian to be forwarded.

Dr John Torrey, Newyork.

Lately I sent twelve No's of drawings, representing various Cacti, to Dr. G. Engelmann in St Louis; he was anxiously writing for. The Doctor wrote to me about two weeks ago, that he had at that time not yet received the specimens of Cacti of my latest collection. As I know by Yourself, that You had sent them on already, I hope at this time the specimens will have found their way.

Permit me for this time, to be short and receive herewith my best wishes and love for Yourself and all Yours.

Sincerely Yours as ever Your
devoted friend
Arthur Schott

Mrs Schott wishes to be kindly remembered.

Eagle Pass, Texas. August 8th 1852.

Recd. Sept. 10th. Ansd. Sept. 11..

My dear Sir

I believe it remains pretty certain that I shall start from this place to work up the river. I take therefore the opportunity to affirm You the arrival of your dear letter d.d. N.Y. July 8th containing the advice that the long expected box with plants finally found its way into your hands. I feel most glad to learn from You that You found some interest at least with Dr Parry's and my part. I myself considered this bundle but as a preliminary one, an advanceguard for a richer one, which to procure time, season and localities, no doubt, would be more fit. I hope you shall become finally aware, that ~~tt~~ a following main part of our collections will justify our expences in time leisure and even labour.

I am now a little more acquainted with Texan plants and met since my first introduction to them many relations to enlargen natural groups and orders. I was of course continually on the look-out to find novelties and more rare plants but I spared also no work, to unite rare & common in many and various specimens with the intention to bring even a bulk at hand, consisting of a greater quantity of dates to form the easier the outlines of a Texan Flora.

Dr. John Torrey, Newyork.

According to that hint, You can easily think, my dear Sir to which bundles are grown those of the Compositae, Leguminosae Mimoseae, Malvaceae ʒʒ. Besides this I got, since I commenced with a second collection many genera & species, which are not represented in the former collection.

I wish You could see me sometimes in conversation with one or the other of Mexican people, inquiring about properties and virtues of plants, for which science this half primitive half decaying race of spanish and Indian blood, possesses an almost infinit taste. However superstitious and credulous these people may be, I believe, even to that race true science is most indebted for a great many acquaintances of most useful plants. It is that love and that ~~[illegible]~~ that taste for all natural objects, which enable them to live and to enjoy their life in countries, where other people have to starve or where the outlaws and desperados of other nations gather themselves as in an asyl of security.

It is much, indeed very much, what even most enlightened people can learn from these poor children of the ~~[illegible]~~ wilderness. Once a day I was very glad to learn by a Mexican the popular name of a plant not very long since adopted by science. I believe it is Bartonia or Loasa, one of those plants, the leaves of which are stinging like nettles, in short the mexican name for that western plant „amor seco." that name signifies both the plant and the people who is applying that name.

I suppose at the time that letter will reach You be it in Newyork or New Brunswick the house No 598 in Houstonstreet must be pretty quiet, whilst all the members of the Torreyfamily are scattered in all directions. I hope every one will enjoy himself the best, that all the dear member will be joined together towards fall, refreshed by a nice countrylife to enjoy the more familiar charms at the fireside. Whatever the feeling may be about such a breaking up a house, the best of it is, that all together seem to enjoy a good health. —

For the names of those little plants, I had the honor to send You in former letters, I am very much obliged; it is one of my privations of my frontierlife that I have neither time nor the means to make myself some studies about so many novelties, I meet with on my tramps.

If it is not too much besides your many and various occupations to think of, please to remember me to all the members of Your family and receive herewith the sincerest regards of Your

Devoted friend
Arthur Schott

Washington DC. August 31th 1854.

Dr John Torrey

Dear Sir

Your kind letter dated Aug 26th came duly to hand, some few days after my return from Philadelphia. I am now inmidst breaking up and packing to leave again this place as I soon shall have to sail for San Diego.

Maj. Emory had honored me again with an appointment by which I felt mortified, as he did not offer me some more salary to go out again into the wilds. & I really thought to deserve it after devoting to him and the Commissions interests nearly all my leisuretime before. I told him such adding also that I felt disappointed to receive now even an inferior at best secondary station. After this he objected my last work and so on in consequence of which I handed in my resignation on account of " unproved confidence towards myself and my abilities. Having upon this a private talk with him, he denied this and as I was taken by the whole affaire somewhat by surprize I would have had to bite my own nose in refusing now to accept an appointment I agreed finally again. Though

I am now resolved to be more prudent and not to lavish any more collateral work for the sake of the government as he always used to style his interests in the Commission affaires. In short after coming back safely, as I hope it may be in heavens will, I shall have a splendid material of experiences, knowledges, under my own hand, which I expect to be able to turn some account. Some preparations for making collections in the line of Natural history & Botany are already made. As the Major gave his directions to Lt. Michler in this regard he wished the latter may appoint one man of the soldiers to collect and & do up the plants to safe my time; that is to say, I shall have only ~~the~~ to superintend this sort of collecting. Probably the Maj. felt somewhat embarrassed to ~~give~~ add to my labors after he never paid me any material credit for. For science sake I know how I shall have to do. According to my understanding it was a mistake of the administration, immediately after the law had passed not to leave any superintendance to military men, where civilians ought to have it, to make now a U. S. A. officer Commissioner. It seems to me the whole commission will soon have a regular cutting down tendency of all military institutions. We have here again one of those anomalies between the written and the executed law, as it is practised by politicians

In regard to my starting the following. I probably shall leave Washington Tuesday next to bring Mrs Schott to her parents to Urbana (Ohio). Here I will stay some days and then come to Newyork, from which place we probably will sail Sept. 20th. - At this time I hope to find You in good health and best spirits. We then can talk over what is to be done to turn researches on the new line to a good account. Whether I shall be able to collect very extensively must be left to the means of transportation, as we undoubtedly will have some very wild regions to pass through.

In my letter to Miss Maggie I could not give any certain accounts about my future movements, as I at the time when it was written, did nothing know myself.

It is for some time now that I did not hear of Your family, but as You did not mention any thing bad about their health I am confident, that they are all well.
I would have wished anxiously to come North with Mrs Schott to introduce her face to face to my kind Torrey-friends, but ~~then~~ there really was no possibility. Maj. Emory knows too well to keep one in a continuant stew. -

I am glad for Mr. Schultz, to learn that his disappointment at last to some degree is repaired.

That all the engravings are to be done abroad gives me great pleasure, as they undoubtedly will be executed ~~much~~ much better there and probably for less expence.

I should like very much to know something about Parry's and other California plants, as I shall have to come over a part of old botanical ground, where however some novelties or interesting things might be met with.

For this time let me close with my good wifes and my own best wishes for Yourself and all Your kind family.

Believe me

sincerely Yours &c
Arthur Schott

Georgetown D.C. II. 1. 859.

Dear Sir

At last I met Mr. Siebert the printer for the plates of Emory's Report.

The printing of 100 copies Engelmanns Cactaceae will be $ 1.00. besides the paper which costs $ 14.00. per one ream.

He counts each ream per 450 sheets.

Please give me notice soon as the printing is going on just now.

Respecting Atrato affaires it seems matters have come to

Dr. John Torrey New York

the point. As soon as the things will be more determined I shall inform You about them.

Please accept my best wishes and love for Yourself and all of Your dear family.

Yours sincerely &c

Arthur Schott

In great haste.

Georgetown D. C. 1. 15. 859.

CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

My dearest sir

Your kind letters d. d. Jan. 3 & Jan 7th have come to hand in due time and were received as they deserve it, with great gratification as they contain at least some assurance, that the dark cloud, hovering over your house some short time ago, has passed over for this time. May it never return and Yourself and Yours spared of such afflictions, of which the moral suffering is for the greater portion. It is since times immemorable that republics are commonly the theatre of such events. Through all ages the worthiest and greatest men had to suffer such ~~is~~ and similar injustice and even martyrdom. Miltiades, Themistocles, Socrates and even more Christ himself was to ~~b~~ be the victim of narrowminded selfishness and jealousy despotism — all for the good of the

Dr. John Torrey, New York.

people, as the hypocrites say. True enough it is one of the many mysteries in the rules of providence, that the benefactors of mankind are made to suffer by the greedy vulture of popular blindness. The same old tale of Prometheus turns up ever and ever again. Well then, my dear sir, however painful it remains after all a good consolation as Socrates expressed „better to suffer innocently than guilty." —

Your kind and beautiful gift to Mrs S. was also received and caused thus much cheer and pleasure as the indwelling beauty of such a token deserves admiration. Mrs S. will write herself.

In regard to our New Granadian ferns I shall transmit them to Mr. Eaton, as soon as our office affaires shall have some authorized look. The matter I understand is to come

up before Congress within the next days.
The Secretary of the Navy, as Mr. Michler
says, takes a great deal of warm inter-
est in the work and promised all his
assistance. Michler has been officially sus-
tained in his not submitting to Lt. Cravens
overbearing insinuations. The case was con-
sidered equal to that of General Kearney
and Commodore Stockton of California
remembrance.

Our survey recognizes the project for
a shipcanal even more favorable than
a Kennishes survey and preliminary report
suggested. I think if our report shall ~~that~~
~~be~~ come before the public it will cause
a stir.

I lately tried to see Mr. Siebert for
the sake of ascertaining the prize of
a number of „cactiplates" you wish
to have. I did not find him at home
but left him a note and expect now
every day information.

Of Engelmanns Cactus report one

Hundred copies will cost $5.00. as I was told in the public printing office.

The letterpress of Vol II. Mexic. Bound; is all done except a small paper to be furnished by Mr. Baird.

I read of late a small synoptical extract report on the physiagraphy of the Isthmus of Choco before our little Ass-association for Natural History. The Secretary (Navy) seems to have no objection for its preliminary publishing; I shall send it probably to Sillimans journal.

The general report will I am afraid not admit any thing in the line of special Botany, Geology or Zoology and so we will have to look for some other medium by which things will be made known. Congress became exceedingly consciencious to save the nation, cut down others but not injuring themselves and their friends.

Please give my love and best regards to all of You and believe me as ever

Yours sincerely

Arthur Schott

San Antonio January 24th 1853.

My dear Sir,

Just this morning I arrived here having made for this time my last packmule-trip. It is a pretty long time since I am debt towards You for a letter of Yours, which I received a short time before I went off from Eagle Pass to visit the mountains and silver mines of Santa Rosa in Mexico. Dr. Bigelow and myself have been invited by a „Dr. John Long" a born Philadelphian and now citizen of Mexico. This man had worked for some time the mentioned mines and broke himself, notwithstanding those ores being of the richest I ever saw. I made quite a collection of them for I am sure that the beautiful country round Santa Rosa may come at a time into Good Uncle Sams care. The surroundings of Santa Rosa are thus valuable for the miner as for the stockraiser, agriculturist and even mechanic.

The botanical part of our expedition had Dr.

Dr. John Torrey, Newyork.

Bigelow, but the season was not a good one and thus he got hardly more as he was to expect. The character of the vegetation or rather the whole of the physiographical condition are in a diminutive scale alike those of more southern regions of Mexico. The town Santa Rosa is situated on a well watered tableland and its immediate neighbourhood ranges E — W. a most picturesc sierra of secondary lime- ~~[illegible]~~ stone, much intersected by veins of silverore & gallena. Trapp, Besalt and even both witnesses of a later vulcanic catastrophe are frequent and strike the eye of every mans open eye. In and round Santa Rosa Oranges, Laurus persica, the Palmetto, and others are growing, whilst farther up in the mountains a more northern vegetation prevails, showing the Arbutus, Cornus florida, Sugar maple &c. A real pity indeed is, that this beautiful and gifted country is nothing more but a field for rubbers of every description, Indians, fullblood, halfblood, Mexicans, Alcaldes, Curas &c.

I forgit that I am most in hurry to finish these lines and to give You the advice, that I shall start from here the day after to morrow, except that our baggage, which we had to load on an oxcard, should not arrive. Should the latter be the case, then I would make a delay of some days more. I am however much in hurry, as I presume that Maj. Emory to get my notes and my works to hand. This is the reason, that I first have to go to Washington, before I shall see all my dear friends in Newyork. Officiosa first — it is disagreeable — but we can not help.

Miss Janes letter, dat. Dec. 10th came to day into my hands and it was highly welcome; I regret only not to have time to answer it immediately, though I hope to do so in some few days. I hope Miss M.'s health is restored again. If You please return to all the worthy members of Your family my sincerest respects, until I shall be able to do this verbally myself.

For this time my dear Sir, please to excuse me for not writing more and for omitting so many many details, my heart is full with and which I ~~an~~ will be ready to communicate to You at an other time.

Take the sincere esteem and regards of

Your devoted friend
Arthur Schott

Dr. Bigelow sends his respects; he is pretty anxious to come again into civilization. A more zealous enthusiast for Botany, I never saw my life, he deserves indeed a good credit.

Mr Schott – Recd

Ansd. Aug. 26.

Georgetown D.C. VII. 1. 858.

Dr. John Torrey, New York.

My dear Sir

Your kind letter reached me in due time. If I had not expected to soon have the pleasure of seeing You here Washington or Georgetown I would have answered it instantly. In looking over Yours again Your desire to ~~have~~ hear about the interesting Astrophyllum dumosum induces me to pen to You about that plant, what I otherwise would have spared for a verbal intercourse. The locality and the only one I ever saw it in situ was a rocky ravine on the Westslope of the Sierra del pajarito in North-Western Sonora. I found the Shrub of from 5 to 6 feet height standing under shelter of some other shrubbery. The habitus of the plant, when compared with those found by Dr. Bigelow on a Sierra some 30 or 40 miles below El Paso del Norte, was less scrubby the twigs being more slender and the leaves less stout and thick. I have not the least doubt that what Yourself and I took for remnants of the flowers sticking to the leaves of the plant are nothing but floral remains belonging to the plant. I am very sorry that the various collectors encountering that mountain shrub would not succeed in finding it in a more favorable state of inflorescence. As these regions however are now a sort of a thoroughfare I am in hope the discovery soon will be made. In regard to that note in Captain Popes Report after which I shall have found the Astrophyllum lower down on the Rio Bravo, I refer You to one of my former letters, which states that this was a mistake and a short note in the Boundary Report to correct that error would be in place. The plant seems to me to belong exclusively to the more elevated portion of country and perhaps be considered as inhabiting but metamorphic and trappitic rocks and a corresponding soil.

I am busy at present to number the specimens of my New Granadian botanical collection and I shall have the pleasure of forwarding to You a best possible set for Your perusal, thus soon as I finish numbering

How the Atrat. flora shall compare to that of the rio Magdalena I am not able to say, for the latter remained unknown to me. I do not doubt however that there must be quite an analogy between both. To characterize the flora of the Atrato I shall have to depend chiefly on my notes both written on memory and also on paper. The shores of this really magnificent river exhibit the richest treasures of tropical vegetation and so I regret most that just this portion was lost without being able to replace the collections again. The other regions traversed on the Truandó line to the Pacific are certainly also very interesting and relate to that of the Atrato a circumstance which will aid us in retracing the state of things on the Atrato.

The surroundings of Cartagena are probably best known as this port must have been visited often; especially Humboldt sojourned there and in the neighboring Turbaco for seve[illegible]. Thus I consider what I gathered there [illegible] an integrating portion of the whole.

The entire line from the Atlantic to the Pacific does not reach above the lower ~~[illegible]~~ belt of tropical vegetation, the prevailing features of which are palms, ferns, Musaceae, Marantaceae, arborescent gramineae, Orchidaceae, or Piperaceae & Bromeliaceae, besides a richly developed collection of Leguminosae.

In regard to our office proceedings of the Atrato-expedition nothing cheering can be said, as the matter is still a pending question between the commanding officers. Probably a dispute will rise between the departments of War and Navy. What I do now towards a final getting up of a report I do privately for the sake of science, quietly waiting for a better opportunity.

Mrs Schott desires me to respond for her to Your kind remembrance and joins me offering our best wishes for Yourself and Yours.

The expected death of R. Brown will be quite a great loss for the scientific community and will be much regretted.

Other matters I leave for a personal intercourse. Please give best wishes to all Yours from Your

devoted friend
Arthur Schott

TORREY CORRESPONDENCE COLUMBIA UNIVERSITY.

Georgetown D. C. VII. 17. 859.

Dr John Torrey, New York.

My dear Doctor

Permit me to announce to You the despatch of a bundle of the long promised european plants, some of which may perhaps be acceptable for Your herbary. I added also some of my few algae, which I had occasion to collect on the gulf of Mexico and on the shores of the carribean Sea and on the Californian coast. I mean them for the more artistic use of Miss Eliza. I placed the package in care of Mr. K. Avery one of the em

I hope to receive within a few days the last plates to Engelmanns Boundary Cactology, so as to be able to send You one set belonging to the letterpress, which I sent You before.

commilitons of the late Lieut. Strain. Mr. A. is now preparing again for a new exploring feate on the isthmus of Darien. and as he was telling me of his going to New York I asked of him the favor to take charge of the package, the contents of which had been lying stored away in the Smithsonian safe enough - but undispatched.

I lately purchased the big book Vol. II. of Boundy Report. and feel quite relieved seeing myself in possession of it finally. - I have already commenced to make notes in regard to localities either omitted or mistaken. Perhaps there may be some opportunity to correct errors of that nature, as far as science is concerned.

Respecting our Atrato affaires everything is striking fast the Secretary of the Navy having refused to pay our labors or even to acknowledge Lt. Michlers authority for appointing us for one years time, as M. was really authorized to do so by the Secretary's written order.

What Mr. Michler is going to do I do not know but he charged me again lately to collect all possible information in regard to the collections made during that expedition.

It will not before long I shall receive the tables and ennumerations of specimens collected and examined by the various scientific gentlemen to whom I had the honor of sending on the various divisions of collections

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY.

matter. I at various times directed letters to You, but I am afraid they did not reach You. As I know well enough how much pressed You are all the time, I did not want to intrude to often on your time.

I expect by this time You are keeping bachelors hall again whilst Your lovely filial department has moved its stores up on the high banks of the Hudson. My circumstances do not allow by this time my leaving Georgetown at present, otherwise I would have made it practicable to pay You a visite up North.

Mrs Schott & the little ones are thanks to God prospering and the former desires me to be remembered to Yourself and all of You and in this I also join her with all my heart.

Most sincerely Yours as ever

Arthur Schott

Arrd. Sept. 4.

Eagle Pass, Texas. July 29th 1852.

Dear Sir!

Although ~~th~~ ~~[illegible]~~ staying here again since the 12th of June, I could not spare so much leisure or rather to say an undisturbed space of time, to bring in order a pretty large bundle of plants, which I collected since I left Frontera. I had been very glad to send off this collection, for I have to leave now this place again and as we will be scarce in with transportation, these plants and others collections must remain here. I dont like at all to leave such things without proper care, but it is now not to help and I will do the best, to secure them.

Dr. John Torrey in New

During my sojourn here I received a letter from Dr. Parry, who seems to be well satisfied with his Gila-trip and some nice botanical acquisitions. This letter is written on the route coming down from El Paso del Norte to Presidio del Norte, where he shall stop for some time with Maj: Emory's party. Next autumn we will probably meet together again in this place here and what then — I do not yet know. Perhaps we shall go down the valley together. From ~~th~~ Maj: Emory I did not here any ~~thing~~ and all what is going on above are deep mysteries for ~~us~~ us here. For that reason can I not answer to several times made questions, what time the work on this

frontier shall be finished and what
time I shall return to the eastern
states. Dr. Parry seems to be anxious,
about that bundle plants, we sent
all from Frontera in Col. Grahams
care. I wrote to him that this col-
lection now must be in your hands,
according to a short notice your
gave me once in one of your letters,
still I myself do not know surely,
wether that bundle came to into
your hands or not. — Entirely de-
prived of leisure and means and books
to make even some few studies. I can
hardly consolate myself, wether I shall
have some novelties among the plants
I collected in those regions which I
crossed, I pay also some attention on
the localities and on the season, in
which I find the plants.

Some time ago received I also an
encouraging letter from Prof. S. Baird
to ask me to collect specimens for

Natural History. It was quite in my early boyhood, when I last practised to skin birds for similar purposes and I had now to learn again, to procure some specimens for the Smithsonian Institution. Besides these things I keep a box for mineralogic specimens to ascertain afterwards the nature of these formations I met with on my several tramps. That looks quite as a Chaos in my tent and I expect to have afterwards pretty much work to do, to come up clear with these collections.

The summer is now highly advanced and ~~expect~~ I expect not much more plants, but it will be the season to gather seeds indeed it.

As soon as I return to this place with I endeavour to send off my second collection & perhaps the whole bulk of collections.

Herewith I close with my sincere regards for You my dear Sir and all

Truly your devoted friend
Arthur Schott.

Please to remember me to Mrs. Torrey and to all the kind members your highly esteemed family.

Camp near Laredo June 20th 1853.

My dear Sir

Your kind letter dated Newyork Mi. 13th 1853 came at Ringgold Barracks duly to my hands and was most welcome. I ought to answer immediately but I was just at that time very busy to get ready for the last portion of my travels to this place, where I shall commence my surveying work, which I had to leave off about a year ago. I had quite troubles to reach this place, for we had no transportation to help us along from Ringgold up the river. In our first trial to make a part of the line by river we were entirely defeated. A heavy Flatboat the Major had hired for the purpose was not even fit to keep up in those sudden short bends of the Rio Bravo running in every direction. In about 1½ hours time we had made nearly 2 miles, which to make back (river down) we had to do all afternoon, whilst almost all the sailing hands had to work in the water. Afterwards I had hired five Mexican oxcards, but whilst I engaged them a long expected express arrived with the news, that

John Torrey, Newyork.

In Ringgold Barracks I made the acquaintance of Captain Edmund Kirby Smith U.S.A. a good scolar in Botany and a very zealous collector. He is got quite a nice collection of Texian plants. I encouraged him to send once a little bundle on to the Smithsonian. He can be of some use for science, having the opportunity to come often out in the country, crossing the prairies in all directions. I was quite pleased to make this acquaintance, as he seems to be also a nice gentleman.

Commissionwagons were on the road for Ringgold. In consequence of this advice I had to break my agreement with the Mexicans and to wait some days longer for the wagons, which finally made their appearance, but not in a very suitable condition. Lame and broken down mules, broken wagons and so on compelled me to make still more delay until we finally got ready to start. Almost all hands at foot, myself not excluded, three heavily loaded sixmule teams and one oxcard moved slowly through those dry arid prairies, surrounding the regions on this part of the Rio Grande. One good little riding mule and a broken down old soldiers horse served for the benefit of the whole crowd, to ride upon. I used this opportunity only twice, for such riding is for my taste tentimes more painful then walking on my own good feet, which I can use freely and easily from morning til night, without being much fatigued. One day we made 24 miles in almost one stretch through a waterless sandy desert. The heat afternoon was usually 98 - 102 °R. I tried always to start in the morning two or three o'clock but there was an other obstacle. My Assistant was taken sick by a very violent intermittent fever. The first paroxism lasting nearly thirty hours. In such a condition I could not transport him and so we had usually to lay by during 24 hours, being compelled to march afterwards to march during the hottest hours of the day. That young man is first time in his life sick and thus much afraid to be sick as he despises to take medicine. I tried Epsomsalt, Bluemass, Castoroil and used the feverfree spaces of time to check the fever with Quinin and all this not without success but I think that poor sick is too much tired and his horror before medicines and his imprudence in not keeping diet and other regulations delay his recovering very much. My tent, which is larger was always to his disposition, for I never use any tent, if I can help it. It must have looked sometimes quite funny to see at the scene more like a nursery then a short resting sojourn of tired travelers in the wilderness. An old hypochondrist or a whimsical chambermaid can not be half more ridiculous as this young full growing young man, nodding entirely helpless down to like a poor plucked flower thrown out doors in the scorching sun. — However we are now safely here and I set the men immediately to work, that we may soon be ready to start for the real surveying work. After these lines shall be in your hands, your devoted friend will stick in the „Prickly Pears or in the thorny thinks on the banks of the Rio Bravo aided by hardy crowd of laborers, alltogether enjoying the charms of wild solitude, for which I have got a particular taste. You would hardly recognise me in the appearance I must make: Woolshirt buckskin and ~~[illegible]~~ leather out and a good deal inside too, though the world has not yet perfectly done with me, however skilful this master is in taning. — In regard of Dr. Parry I do not know what to think, for he delayed to come to New Orleans and if he is coming for my interests he will be too late. The Major was willing to send him with my party down the river, ~~of which~~ I had been very glad with such an arrangement, because I have no body along, to whom I might speak some word of any interest. A german is also with me he is draughtsman and good hearted young man, but so horrible green and besides so tiresome talkative, that I am afraid my bag of patience will soon burst. Every red or yellow flower or dazzling thimble-bug are wonders for this admiring sporting character, which is on the other side by no means an active one.

In collecting I am requested, to do this much as possible and I myself feel the necessity, for I am alone. It is a matter of course to take every thing new to me, but also known plants, of which I find now better specimens I take too.

In Washington I saw ~~the~~ some of the original drawings representing snakes & other reptiles, made for Capt. Marcy's Report. They very beautifully done and will offer a most acceptable addition to the Captains Report, if only they shall come into good engravers hands. To know that Miss [illegible]. Shaw is busy in finishing those sketches of plants, I had a hand on too, gives me a good nice pleasure, it is ~~a~~ as somewhat working together, which is always nice among nice friends.

I close for this time, please my dear Doctor, take my best regards for yourself and give my respect and love to all your dear family from your sincerely devoted friend Arthur Schott

TORREY CORRESPONDENCE HERBARIUM COLUMBIA UNIVERSITY

Washington DC. March 7th 1854.

My dear Sir,

Your kind letter dated March 3th came at due time into my hands and was truly welcome, as always every dear messenger coming from Your house. Though I had not heard for some time from Yourself, I was a little surprized to get it, because I had considered myself ever since obliged to write to You, giving to You also the news of my engagement and marriage. As I at the same time intented to send You together with such a letter some accounts of my being bussy at present, the achievement of my intention was delayed and thus You run a head of me. I feel very much gratified for the kind sympathy which I of course never doubted and which You now expressed again towards myself and also towards my good wife. She heartily is joining me in sending our most cordial regards to You in return until we shall be once happy enough to do so from face to face. In my outside life my being married does not produce much change. I think I was already too much of bachelor and my wife living entirely in her love towards myself, does not think any farther. Thus You may imagine us sometimes sitting on the carpet and employing

Dr. John Torrey Esq. Newyork.

ourselves in selecting out, shells, fossils or plants or doing some other scientific business, of which I got for present a remarkable share to finish. Thus I have to look at her as a real good assistant. On the other side I use my old notions to assist her in some little doings of housekeeping. Some people may believe me cold or cool in my feelings as a newly married man, but I think ~~&~~ it would be wrong to think so, because I rather keep up in my expressions with the sayings of old and wise Seneca: „True joy is a serene and sober emotion and they are miserably out that take laughing for rejoicing, the seat of it is within and there is no cheerfulness like the resolutions of a brave mind. –

Day after to morrow I hope to be able to put up a small box, to be sent to You by the Smithsonian. It will contain a small collection of Texian woods, seeds and other articles, which I desire to see them examined. I believe such will be of some interest as an addition to Your botanical report about Texian plants. I also shall lay by the first half of my remarks on Texian plants, which I wish to request You to look at. Some time ago I received that set of Texian plants, which I brought home lately from the land of the Rio Bravo. Thus far as I understand You wish me to connect them by numbers with my duplicates, after which I may be able to place my remarks properly. In regard of my former collections You did not mention any thing and so I have to go on in in putting up my remarks, as I did until now. There will not be much difficulty in arranging properly specimens and remarks as most of them possess also Mexican or even vulgar names which I put down with my first labels. Giving then such names, I hope it will be easy for You to join our mutual work. You are telling me, that we soon shall have the great pleasure of seeing You here in Washington. At such a time it will be very easy and agreeable to exchange all necessary questions and answers.

In regard of that fossil resin mentioned in Your letter I have to state that the name White Hills was given to that locality by myself. The hills are cretaceous and the strata where the fossil resin was found consists of a greenish-yellow clay probably marl. The fossil itself appears on the withered surface irregularly placed in more or less inconspicuous strings. The exact distance of this place below Eagle Pass I am not able to give You now, until the plot of the map shall be finished.

Mr. H. Grant letter I have not yet received and therefor Your kind letter relieved me of much uneasiness in regard of that timekeeper, I had the pleasure to buy for You here. I hope it will answer, though it goes a little to fast now. The prize is twenty eight Doll. which You occasionally may send here, perhaps by Dr. C. C. Parry whom we have to expect here soon. However You ought not to be much in hurry about it, for I like to feel in some connection with Yourself and all Your house and if this is not possible in persona, I think even money is not to base to form such a bridge for thoughts.

Please to give my best regards and love to Mrs. Torrey and also to all my dear freinds in your house. and believe me

faithfully Your sincere freind
Arthur Schott

Georgetown D.C. V. 7. 856.

Recd May 9 - 856

My dear Sir

Our intercourse seems rather to be checked, I will try to take it up again even upon the danger, that the reading of these lines shall take too much of Your precious time. I wrote to You in my last (Jan. 27.) about the collections of plants, I brought home from my last trip through the Western regions. As I wish to prepare that amount of material for examination before I send ~~them~~ it on, I would like to know, whether You want specimens of all the plants indiscriminately known and ~~fr~~ unknown, or You would like to leave with me a preliminary selection of them, that your

Dr. John Torrey. New York.

labor of overhauling should not be increased. With the Cactaceae I am already thus far through as to have sent to Dr. Engelmann a collection of dried and living specimens together with copious fieldnotes and sketches. The Cactus Dr. I expect is now in a fair way to finish soon the last portion of that singular brotherhood of plants. I expect to have among my other plants quite interesting specimens and if there should be no novelties, it will not be my neglect, for I looked out and picked up, thus much as I have been able to do, whilst I at the same time was engaged in other labors of quite a different nature. With my various specimens I gathered a great deal of information about the plants, which I met on the western portions of the new Boundy line, where I was continuantly connected with the inhabitants of those regions. Thus I believe to be in possession of an adequate amount of notes and remarks, which will compare well with that portions transmitted to You before. —

Few days ago Prof. I. Hall was here to go through the Geology of the M. Bdy. The maps however had not been finished and so he was not able to finish up. Maj. E. is always in haste and wants to hurry on thus much as possible, but, I believe, with a little more of „Festina lente" he would come farther.

If I recollect right, I sent to You once with some collection of plants few other sundries, among which was a small amount of a salty efflorescence taken from a Greensandstratum on the lower Bravo del Norte. If it should still be at hand, I would like to know, whether it is really a nitrate for which I have taken it. I wish not to ask a formal analysis, for which the material would not be sufficient.

As soon as I shall hear from You, I will be bussy in putting together the collections for examination, taking care to take thus much of the rough work of Your hand as I am able to do.

Mrs. Schott, who is, thanks to heaven quite well sends with mine her best regards to You.

I saw the other day Miss Eliza at Prof. Henry's and was quite glad of seeing her in so good health and Spirits. I hope to have soon an other talk with her.

Please give my best love to Miss Jeannie, Hastings & Herby.

For the latter I have some curiosities again, which I will transmit to him with the first opportunity.

Very sincerely Yours, your devoted friend
Arthur Schott

Fort Mc Intosh near Laredo. Rio Bravo del Norte.
Mai 14th 1852.

"Mai"

Dear Sir

Having finished with my party the Survey between Fort Duncan and this place, I find here time and opportunity to write and to send off some letters, what I hardly could expect. Three days ago a number of 26 letters reached me coming from every direction. I am the more happy with, as I had before to give them up as lost. As I am informed is the postmaster in Santa Fe particular careless often neglecting to forward letters for months. and on the other side caused my continuant travelling and changing of quaters that bad delay in receiving letters. I got now finally two of Yours from the date Jany 6th & March 11th 1852. I never doubted the least about a kind attention of You and Yours to let me hear from all my kind friends, I am so happy with. Supposing that my letters, going East have been forwarded quicker I believe in fact, that the most part of them reached, where they been directed. My last one to You, dear Sir, is dated from Fort Duncan March 24th and I hope it will be in Your hands, at the time you shall have this one. About my various movements in this Commission I gave also as much as possible the necessary advice either to You or to one of Your kind daughters. I have to regret that in this Commission, unlucky & corrupt, as it is from the very begin, that nothing at all can go straight and that almost every order or arrangement has to be alterated or recalled twice and thrice until it may be settled. Thus I was after a sojourn of 4 weeks in El Paso located as Assistant Surveyor for the Line Fort Duncan and the Mouth of the river Having commenced and finished the first portion I receive the order to return to Fort Duncan. Thus far as I understand shall we have to carry the Survey river up to meet the other parties, coming down. It is after such circumstances no wonder indeed, if letters want half an year to reach their adreſs. It is in every respect a real school to practise indulgence and fatalism, for the whole course of the affairs of the Commiſsion is almost for every member a being thrown from one dissapointment into another one. No hardships, privations, suffering of every description would weaken my mind to stay, thus long as I can do any thing, for I like to be in activity, but those continual vexations and annoyances on the side of every one, who thinks to have something to command is tiresome and most discouraging. About the Major I cannot say anything he was always kind and reasonable towards me and it is indeed for his sake and for ~~my~~ the most sincere acknowledgement of that honourable recommandation of Yours, which I never shall forget, that I went to a work as this is, pressed under unfavourable conditions. To answer the trust put upon me I rather leave a piece of my skin behind, before I should leave without having done something. — Botany, before but a volunteer-work for me forms now a part of my busineſs and I think that I have done, what has been in my power and what was possible. Often surveying 6–7 miles in one day I carried along lots of petrefactions, to ascertain afterwards the geological regions, we had passed through and I gathered then besides of plants, what ever was new to me and that is of a course for me as a foreigner, not a small portion. The commanding Lieutenant of our party furnished us very [illegible] in every respect and I am therefore of many opportunities and convenient things deprived to work easier and more answering to the purposes. After my return to Fort Duncan I hope to be enabled either to deposite or to send off an other and as I am certain a more interesting bundle of plants. The Season was now more favorous ~~ft~~ for collecting and perhaps is the country along the lower part of the river also of more interest than those regions I ~~h~~ had travelled over before. Some plants which I saw in blossoms in the last fall, I found again and in the ~~st~~ same state early in spring. Perhaps notes of this nature can offer something for the physiographical part of Botany. I had also the opportunity to observe the same plants, growing under different conditions and made in this respect some remarks. It is not only to make new discoveries, that I am collecting, but I think a specification of the plants, which I shall bring home, will be an essential part of the nature of the Countries, I passed over. My dear Sir, it is not much in the Lords Creation, for which I should not have a lively, quietly, pious interest and what ever leisure and circumstances will allow me to do, shall be done ~~after~~ according my best will & knowledge. To be sure I have no other endeavours, but to answer to ~~your~~ that honoring trust of Yours, so kindly laid upon me.

From your letters I received now, I learned, that You had most tedious and troublesome guests in your new domicile in Crosby-street. Mrs. Torreys infirmity so obstinately resisting every medical protest and scarletfever this neversatisfied serpent, in nestling in a house are certainly sufficient to raise fears. Thanks to Heaven that they gone and that I congratulate You, though so long a time afterwards. It was perhaps good luck for me, not to have any idea of your troubles, for the farther a distance the more frightens danger. Take, however, dear Sir, my sincerest sympathy for all that, what concerns You and Yours. Your opinion about Europe and her regeneration is the same, I have myself. There is, I believe so, no other help as a general suffrage, but not in the sense of L. Napoleon. All the people & nations over there, I am sorry to have this impression, are absorbed, broken down, sucked out by their political, clerical and spiritual rulers. A general consumption have taken place and those now living or rather with some lifetime pardoned people and nations have but to die, to prepare the ground for fresh seed, which providence will procure. The estate of nations in Europe is more like a withered tree, spending its seeds to the Earth and sacrificing to the same its body. The Seed is like the eternal spirit, which never dies, whilst the material world is undergoing continuantly and generations after generations the alteration of creating and destruction. The only mission of worthier individuals in Europe is not more to assist in building and affirming a sound estate of affairs, but it is more apostle like, persecuted and deprived of their home, they have to wander and to ~~t~~ witness about the course of the history of the world. It is sad to think so but an undeniable truth. The Son of God coming into this world was submitted to that same law of nature and thus is the way of nations, families and individuals without any exception. – The Kossuthianas are most tedious to me. The endeavours of this man are noble like his character, but I think not entirely free from vanity. It was most dangerous for him to be raised in such a manner as it was done especially in this country more by exaggeration than by real warm enthusiasm. I fear Kossuth and his intentions are more spoiled then advanced.

As I have learned from the letters of Mess. Eliza & Jeannie intends Mrs Torrey too to send me a communication in answer of my last, sent off in former days. I feel very glad and happy to receive so clear signs of kindness from friends. I love so much and esteem so high, but it gives me an uneasy feeling to know, that it is not so easy for Mrs Torrey to write letters. To be sure, I would be always very happy to receive so clear communications, as I got them until now, but to ask for from Mrs Torreys hand, I never would think of. I would rather consider it as an act of noble trusting on her side, to receive forehand my entire excuse for not writing. I think among friends, whose minds are so open to me to read in, our customs and manners can be sacrificed a little, without any bad consequences. It is the same with Miss Maggies eyes, the infirmity of which is perfectly known to me and always regarded. If You please to tell this to Mrs Torrey and Miss Maggie with my most friendly respect.

From Dr. Parry I heard never since I quitted the neighborhood of Frontera. He is a real good and simple man, whom I like very much. If I should get some leisure at Fort Duncan, I'll write to him, though I know that he is almost too far off. Your remembrance of his shall be, of course, not forgotten.

About 60 miles above Laredo I met first with a peculiarly looking greenbarked tree, apparently near placed to the Cassia family. The mexican name of it is „Retamma" but of no known use. However ~~his~~ its outer appearance would give to it a right to be an ornamental specimen of horticultur. It is rich looking in blossoms and I think to gather some seeds. I enclose here a small letterspecimen of the flowers. For this time I am not allowed to give you a better account of my collection, for my leisure is too much limited. Perhaps I will have some opportunity in Fort Duncan.

Take herewith, my dear Sir, the sincerest regards for you from your truly devoted friend and remember soon

Arthur Schott

My Adress will be now again
Fort Duncan.
Texas

San Diego. Nov. 1th 1854.

My dear Friend,

Though I am very limited in time to write letters, my debt towards You presses too hard upon me. Be not dissatisfied with these lines, for I am afraid, they are inked down too much in haste. It is now more then a month since I left Newyork and the lofty summersojourn of Yourself and Yours on the grand Hudson and atthough I never had since any sign or line from any of one of those I love, time appears to me passing away so short as I if I were a dreaming Youth. Sure to travel this way is almost like a dream. From this now we will travel more proper, that is to see and mark things more quietly and with leisure enough to contemplate.

Of all I saw during my coming here the Isthmus, the tropic nature I enjoyed most. All the Gold of California is nothing for me, when I compare the riches of nature in the tropics with it. Looking on man and his habitations in those two different places, I must confess I would turn to the South to die but to live with the going down people at Panama

Mss. Eliza Torrey. Newyork.

before I would join that general Goldmadness (oromania) which is whirling down the masses of poor deceived mankind at San Francisco. I was glad to leave this place soon, which is by no means a ground for me to live upon.

I was very sorry not to be able to collect on the Isthmus, seeing all those bright childern of a sunbred vegetation. Neither the season nor time permitted me to do, what my botanical soul was longing for. We had much rain and none out of six hunderd passengers brought a dry fibre of his garments over the heights of Darien. Myself was the last man starting from the mountains & down to Panama. What a horrible aspect I must have made. I believe there exists no specimen of mudology, which was not exhibi on my outside. My whole artificial cover wore I may say, an oryctognostic bill of fair, done up nicely in a somewhat grotesc-chaotic style.

What a difference after being out of the etern twilight of the rich forests of New Granada just under the blessing of tropic rain, to enjoy some few bright suny hours in Panama, the beauty of its situation is hardly to be describe at least my pen is unable to do it. The mighty God of the seas, the stern old Cyclop down in the basements of the globe, and the lovely godess Flora did every thing in their power to create this place a paradise. Old Vulkan and Neptun tried to do the same at San Francisco, but, so it seems to me, lovely Flora was not to be found to crown their worth. Mountains and hills are bare and only down deep in the lower regions unseen by the sun the flowergardens of the spirits of the earth are flourishing. As if a course was ~~were~~ resting upon them, there is not that innocence in wining them as those of Flora. Fighting and struggling and an endless gambling is going on after those "commercial dragonteeth."

Runing down along the coast of California I saw sevral places, all more or less going down, that is those proud buildings of the Spaniards, whether the people will go, is a question. I on my part have no doubt that they all perish, whereever they become mixed with the absorbing Anglo-Saxon, provided that the latter is finding there the proper ground, to follow his nation.

There is many a place, where the Anglo-Saxon commenced but had to leave off again because the location was ill calculated. In such places even the dying Mexican is able to outlive the Anglo-Saxon.

In regard to this place the latter can not prosper until the Western terminus of the Pacific railroad will be finished here. In this case the few Mexican families and Indians will be absorbed quicker than quick. I do not know whether San Diego will not beat San Francisco once, after the said railroad will be finished.

At this time You all will have probably returned to the fireside in Newyork. I hope You all are doing well, above all Mrs Torrey, who certainly is the most in need of. I would well have a great many questions to put on You, my dear friend, thus well in regard to Yourself as also about all the others. Please, tell Dr. Torrey, that I shall write to him by the next mail, when I shall have had more opportunity to look in the face of botany. My time since I landed here has mostly passed away under the ungrateful labors of preparatory work, making by no means any show. It will be for some time until I shall be able to return to the States enriched by scientific treasures, which I shall be able to gather during my travels, if only Fortuna will favor me.

Please give my esteems to Mrs & Mr. Torrey and take also my love for Yourself and all the other dear members of the Torrey family.

May God bless You all and be with You for ever. Than we will take care successfully that we shall meet again in good health and best spirits.

Sincerely Your affectionate friend
Arthur Schott

TORREY CORRESPONDENCE
NEW YORK
COLUMBIA UNIVERSITY.

Recd. Decr. 3rd Eagle Pass, Texas. Nov 7th 1852.

My dear Sir,

To day I received your kind letter, dated Sept. 4th 1852; it was highly welcome. It is this the second one coming into my hands, since I write to You from our Camp at the first Crossing of the Rio San Pedro. After my return from a pretty rough trip to the Mouth of the Puercos I was well received by Maj. Emory, but he gave only some few days to bundle & fix up my collections, to send them East. Under such conditions I was hindered to answer to You immediately as generally to write other letters, notwithstanding that I have quite a number of debts in this respect. It was a most tedious work for me hurrying through my herbary the more, as I cannot expect to offer novelties with it. I had until now more obstacles then facilities for every other thing as Surveying and even for that most important business was not given, what I ought to have as necessary. All the affaires of the B. Com. were lead from the very begin into real stick in the mud and I have the Maj. sometimes to pity for the situation, he is in. On the Rio San Pedro the Maj. appointed me as Draftsman to the Chief-Astronomer (to himself) and promised me to take me with him from this place down the river, but since I returned he put me again in charge of that surveying party. The cause of it seems to be, that he is in want of laborious and working men, on whom he can rely. I myself don't like much that busineſs, for it keeps me always in a most tedious connection with certain young people, whom I have only to disregard for their rough customs and manners, and for their profeſsional idle- and laɀineſs. However I am glad to serve in my situation thus well as I can and thus I will add my smite to hurry on the work to its destiny.

The bundle of plants I send in a box ~~to~~ with an other collection of petrefactions and specimens for Natural History to the Smithsonian Institution will perhaps frighten You by its volumen, but You ought not to do so. Among the whole bulk You will not find much for closer an examination. As I want for my own herbary mostly every thing, particularly from this country, I pick up what I see and know, that it is not in my herbary. I put the whole under Your eyes with the request to make freely that use of it, as You think it is neceſsary for science sake and also perhaps for Your private herbary. Among the few specimens of Cactaceæ; You will find some specimens of the flower of a Mammillaria? (new to Dr. Bigelow & myself). I gathered some plants with the roots, to send them to Dr Engelmann with the request to forward some of them to You and Dr. A. Grey.

Nov. 10th. Since the former date of these lines I was quite overwhelmed with work. There is a rumor in the papers, that Mr. Bartletts Brother returned from the states to San Antonio, bearing orders for Maj. E. to suspend the Surveying work. I do not know what the true matter is, but I never shall be surprized about any thing in that Commission, corrupt as it is, almost before it was born. I had to bundle up my plants in all hurry and if they should come into Your hands, You will find them in some disorder. I do not know yet, what opportunity Dr. Bigelow and I shall have to send our collections to You, which we are very anxious to have it done as quick as possible. Dr. B. shew me his specimens of that rutaceous shrub, You mentioned in Your last letter to me and as soon as I shall have finished my mail, I am going to see him, to make a plot of that plant, to send it to You with the next opportunity. The „habitus" of that shrub is indeed striking and I would like to figure it in a proper way for sake of publishing. If we only would be enabled to bring the flowers at hand, the work itself would hardly produce much troubles.

I feel very sorry, that I at this time not shall be enabled to write more and particularly to answer [illegible] dear letters, I have before me, but my engagements are for this moment over man's head deep and I must deny myself the pleasure of even a poor written intercourse.

Please to excuse me for to day for this „Rhapsody" and express to all the members of your highly esteemed family my sincerest regards and take also my most sincere and friendly respects for yourself

Truly Yours „

Arthur Schott

P. S. Dr. Bigelow told me afterwards, that he also intends to send his plants as quick as possible to You and I preferred therefore my collection not to pack in the box intended for the Smithsonian Institution.

S.

Georgetown D.C. X. 19. 858.

Recd. Decr 21

ansd. Jany. 3rd

My dear Sir,

TOR PONDENCE CO ITY.

Your kind communication d. d. Dec. 5th came safely into my hands and was highly welcome. So at last You got of my Chocó collections, what little I was able to save of botanical treasures on that hazardous expedition. I do not know whether You are aware, that the Fern and Algae I sent to You are intended for your own herbary and use. A full set of the latter have gone already to Dr. Harvey in Dublin. The set of fern prepared for examination for the sake of publication, is still under my hands, waiting until something decisive will be known how and in what shape the results of that Isthmus expedition shall be made known to the public. Mr. Michler since received orders to prepare his report with the most possible speed, but as there is no money the question about this necessity causes still further delay. I believe they will ~~have~~ have to go before Congress. Of the first appropriation some $ 5000

Dr. John Torrey, New York.

have been left; but as I understand the Navy department have hold of them for fitting out that miserable little schooner, which had to convey the parties to the Gulf of Darien. This is, if true, one of the many wrongs, which we have occasion to witness here round the seat of government. The approbriation of $ 25000 had been placed ~~out~~ to the disposal of the Navy department in order to expend it for the immediate purpose of the law, ~~&~~ it being charged at the same time with furnishing a vessel to the expedition. Well — I do not wish to count all the crooked trees in the woods and so I am very glad if You enjoyed the beauty of our ferns. I will not deny that I feel somewhat partial for these floral representatives of a botanical order which perhaps more exclusively belonged to bygone geogonical eras, and the morphic beauties of which I also particularly admire, but this was not the cause of their prevailing in the Chocó collection. This is really accidental and to a great measure the consequence of the nature of a tropical country, the subsylvatic flora, which is almost alone accessible for passers through, is confined but to certain classes & families. If You think Mr. Eaton will be furnished with an adequate library I should like to send to him the more complete set of our ferns. Among my „phanerogamae" are specimens of pods and blossoms of a tropical tree called „Trementino". This giant forester is zygophyllaceous and as it is the most common tree on the Atrato and Truandó I should be very much obliged to You, if You would let me know its identity. — The curtailing of the Boundary Report x is very annoying but it cannot be helped, after the man who ought to keep the publication in his hands has deserted it, after seeing printed his first volume. If the Smithsonian can publish the remainder it will be all right. — Are there plates to Gramineae or Filices? —

TORREY COLLEGE OF SCIENCE
HERBARIUM
COLUMBIA UNIVERSITY.

The second portion of Your kind

letter in regard to political corruption which seems to embarass You at present warms up again my old and never ceasing contempt for this kind wickedness. It only proves to me again that human nature all over our globe is the same and a true mind has only a tryingly small minority to subsist. Sure enough though it is, that there is one real ruler, who holds the reins in his power. If those political coyotis for whose greediness nothing is too mean, should in reality consummate the threatened iniquity, I have no doubt the tenor of Your past life and the integrity of your name will not let it come to such extremities as to leave You and Yours unprovided for. If the Lord in his neverfailing wisdom should permit that wrong to be done he certainly will also take care of a faithful Christian like Yourself. The Lord does not allow a man to be burdened down in such a way and if so he will bless You with adequate strength to bear and follow his commandements.

CORRESPONDENCE
EMORY UNIVERSITY

When I first told to Mrs Schott this sad intelligence, she became so affected two quick silent tears of sympathy brightened her cheeks and she refused even to read the letter herself in the first moment. I first had to remind her that the Lord has every-thing in his hands and that no position in the world is so bad that not something good would turn out from it. Well! my dear Sir and most honored friend it is only the sympathy of sincere friends, which we now can offer to You in the trying state of Your mind about such iniquities, for my position in this world is an humble one as I never aspired to have much influence through society. An honest living and a straight walk before God is all, what I intend to do with my little dear family. If there is however or should be some friendly office, which I could perform for You or Yours You will please to count me to those, who will consider it a happiness, to do for a friend as much as they can. — If Dr. Newberry was so successful in botanical researches as he was in geology & paleontology, I shall be very anxious to become acquainted with the results of his errand on the upper Colorado. I at present draw for him some of his palaeontologic discoveries, which work generally increases my knowledge in this branch, whilst I make something by, ~~of~~ which every housekeeper must be in need of.

Please give Mrs S. and my love to all the kind members of Your family and especially to Yourself.

I should feel very happy to have soon a long talk with You on various matters but especially on botanical items, of which I have much material to be cleared up. Thus soon as I hear anything of our Atrato affaires I ~~will~~ will let You know. In regard to Palms of which You would not find anything in my collections, I shall have to write at some day a special account, directed to You and Dr Gray. Please give me early notice about Mr. Eaton's readiness of working up our ferns.

Truly Yours as ever Arthur Schott

Camp at the Rio San Pedro, 4 miles
above its Mouth. Sept. 19th 1852.

Arrd. Nov. 8th 1852.
(Letter sent to Eagle Pass)

TORREY CORRESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Being favoured only with a little bit leisure, I hurry on to express You, my dear sir, my best thanks for your kind lines dated August 13th.

As You already know by a former letter of mine, dated shortly before I started from Eagle Pass for this trip, you will not expect any parcel of my botanical collection. Our party was, since we left the vicinity of El Paso, almost entirely cut off, from the seat of the staff of the Comission and do not know even now, what time I shall meet Maj. Emory again. He must be en route now, between here and El Paso, but as we have in some few days to start from this place to go farther up the river til the Mouth of the Pecos, I

Dr. John Torrey, Newyork.

can not imagine, when and at what time I shall be enabled to see the Major and also not what opportunity I shall have to send off my collections, grown since to quite a bulk.

As I see by your letters, you are pretty well acquainted with the conditions under which this Comiſsion is working and you probably will know more about it than me.

If the matters will go farther in the way, they kept on until now, two seasons more will not suffice, to come to an end with.

Agreeing with „Fatalism" the more since I came into this country, I do not think farther as from the morning to the evening

Heaven blessed me with good health and good will and so I live and work on and shall be afterwards very glad, to see, have done something.

It gives me much pleasure to know our first sent bundle of plants and other specimens safe in Your hands and I wish only that it may be the same with the next one.

I have to close and You will excuse me, my dear Sir, if I am at this time too short with my news. I know You have also not to spare much time to read and this offers me some consolation.

I am, my dear Sir, always the same and
Your most devoted and sincere
friend Arthur Schott

Rec. Sept. 27th.
Ans. Oct 22

Georgetown D.C. IX. 24. 858.

My dear Sir

Your kind letter dated Aug. 26. came to hand in due time. I would have answered it immediately, if I did not intend to cause first the transmission of the New Granadian plants.

There was at the time no opportunity to do, for all the officers of the Smithsonian were absent and as I rarely go to the City except on some business, the whole matter was retarded. Since that time I talked with Lieut. Michler on the subject and he told me, to place them into his care, which I did to day with the phanerogamae. The cryptogamae which I had deposited ~~at~~ in the Smithsonian remain still in Prof. Bairds room which is locked up. He is expected how-

Dr. John Torrey, New York.

ever to return in a few days, whereupon I shall take the earliest opportunity of sending them safely into Your hands.-

In regard to the elaboration of the field-work of that weary Atrato Expedition nothing has been decided upon by the department. We are all suspended and do not know, whether we shall be paid for the loss of time or whether any report will be required at all. Our respective chief Lieut. Michler seems to be just as much in dark about the matter as we are. If anything will be done, I believe, nothing will be commenced until the next session of Congress or after.

So if You know of any „interimsjob" where You deem me fit for, I should be very glad to employ myself.-

I saw lately the printer, who is executing Dr. Engelmanns plates of Cactaceae. He promised me several sets of them

Thus I see myself enabled to furnish some friends with the illustrations, to whom I previously had sent Engelmanns printed paper upon that subject. That the second volume of the Mexic. Boundy Report will be so very bulky is much to be regretted. I am afraid we shall have to bind it over in separate parts as to make the work more manageable.

In Your letter I received Your kind invitation for Mrs S. and myself together with the children to help You enjoy Your pretty mountain home on the Hudson. Mrs S. who wishes me to be remembered to You and all of Yours and also myself send our sincerest thanks for your tempting proposition. The circumstances however would not allow such a ~~th~~ schottisch Exodus from Georgetown, the more so as our little house here was blessed several times during this season with some welcome guests. Among others we had the cheering visite of Mrs S. mother, youngest sister and father here. Now her youngest brother is staying with us. A very good quiet youth and son, who just graduated with all honors due at Urbana Ohio. I do not know whether You anything about a young college there, where Mrs S. father was professor for some time. The young man made good studies in latin, greek & hebrew, also in mathematics and some natural sciences. I shall help him to learn drawing and practise botany.

I hope Yourself and all of You enjoy still best health and spirits, as You did whilst writing Your last.

Thanks to heaven my little family is all well and prospering.

Please give my love and kind regards to all of You and believe me to be as ever

sincerely Yours &
Arthur Schott

Georgetown D.C. IX. 28.
859.

TO[illegible] [illegible]ESPONDENCE
HERBARIUM
COLUMBIA UNIVERSITY.

Dear Sir

Allow me to announce to You the happy arrival of a little son, which our family was blissfully increased by this morning 4 oclock. Mrs S. had some hard hours to pass, but God thanks herself and the little stranger seem to be in a healthfull normal state.

At the same time let me tell You that I have for You 2 copies of Dr. Engelmanns Boundy Cacti with the plates, which I wish to transmit to You if possible by the Smithsonian. I think however it would be a good plan if You would write about it to Prof. Henry, because severaltimes I found things had been left forgotten and came near to be lost.

Since two months we live here in our own house, which I bought. It is beautifully and healthfully situated on the Georgetown heights with an open view upon the bay. We all and especially enjoy the better air of a more elevated place.

I am not certain yet but it may be possible that some business-matters shall call me to New York in which case I shall anticipate much pleasure in meeting all my esteemed friends there.

Until this time please to give my esteem and love to all of Yours and receive the expression of my Kindest regards for Yourself.

Mrs. S. at present is asleep, else she would certainly join me in sending to You best wishes.

Very sincerely Yours,
Arthur Schott

Dr. John Torrey, New York.